Journal of Applied Polymer Science

Author Index—Volume 89

Ab Rahman, M. Z. See Ibrahim, N. A., 2233

Abbati, G.
—; Carone, E.; D'Ilario, L.; Martinelli, A.: Polyurethane–Polyaniline Conducting Graft Copolymer with Improved Mechanical Properties, 2516

Abd El-Ghaffar, M. A.
—; El-Sayed, N. H.; Masoud, R. A.: Modification of Leather Properties by Grafting. I. Effect of Monomer Chain on the Physico-mechanical Properties of Grafted Leather, 1478

Abdel Kareem, H. See Zohdy, M. H., 2604

Abdel-Mohdy, F. A.
—; Graft Copolymerization of Nitrogen- and Phosphorus-Containing Monomers onto Cellulosics for Flame-Retardant Finishing of Cotton Textiles, 2573

Abe, Y.
—; Mochizuki, A.: Hemodialysis Membrane Prepared from Cellulose/*N*-Methylmorpholine-*N*-oxide Solution. II. Comparative Studies on the Permeation Characteristics of Membranes Prepared from *N*-Methylmorpholine-*N*-oxide and Cuprammonium Solutions, 333
—; Mochizuki, A.: Hemodialysis Membrane Prepared from Cellulose/*N*-Methylmorpholine-*N*-Oxide Solution. III. The Relationship Between the Drying Condition of the Membrane and Its Permeation Behavior, 1671

Abedin, M. Z. See Beg, M. D. H., 15

Abu-Ilaiwi, F. A. See Ibrahim, N. A., 2233

Abu-Reesh, I. M. See Abu-Sharkh, B. F., 2290

Abu-Sharkh, B. F.
—; Hamad, E. Z.; Ali, S. A.: Influence of Hydrophobe Content on Phase Coexistence Curves of Aqueous Two-Phase Solutions of Associative Polyacrylamide Copolymers and Poly(ethylene glycol), 1351
—; Yahaya, G. O.; Ali, S. A.; Hamad, E. Z.; Abu-Reesh, I. M.: Viscosity Behavior and Surface and Interfacial Activities of Hydrophobically Modified Water-Soluble Acrylamide/*N*-Phenyl Acrylamide Block Copolymers, 2290

Acemioğlu, B.
—; Samil, A.; Alma, M. H.; Gundogan, R.: Copper(II) Removal from Aqueous Solution by Organosolv Lignin and Its Recovery, 1537

Acharya, B. N. See Jassal, M., 1430

Acierno, D. See Incarnato, L., 1768

Adcock, T.
—; Shah, V.; Chen, M.-j.; Meister, J. J.: Graft Copolymers of Lignin as Hydrophobic Agents for Plastic (Wood-Filled) Composites, 1266

Agami, W. R. See Nouh, S. A., 2249

Agarwal, R.
—; Saxena, N. S.; Sharma, K. B.; Thomas, S.; Sreekala, M. S.: Temperature Dependence of Effective Thermal Conductivity and Thermal Diffusivity of Treated and Untreated Polymer Composites, 1708

Ahmadjo, S. See Zohuri, G. H., 1177

Ahmed, F. See Khan, M. A., 655

Ahn, K.-D. See Park, D.-H., 3272

Ahn, K. H. See Lee, S. J., 3672

Aigbodion, A. I.
—; Okieimen, F. E.; Ikhuoria, E. U.; Bakare, I. O.; Obazee, E. O.: Rubber Seed Oil Modified with Maleic Anhydride and Fumaric Acid and Their Alkyd Resins as Binders in Water-Reducible Coatings, 3256

Aït-Kadi, A. See He, G., 1371

Ajili, S. H.
—; Ebrahimi, N. G.; Khorasani, M. T.: Study on Thermoplastic Polyurethane/Polypropylene (TPU/PP) Blend as a Blood Bag Material, 2496

Ajji, A. See Zhang, X., 487

Akar, A. See Kızılcan, N., 2896

Akashi, M. See Yamamoto, K., 1277

Akatsuka, M.
—; Takezawa, Y.: Study of High Thermal Conductive Epoxy Resins Containing Controlled High-Order Structures, 2464

Al-Adwani, H.
—; Bishara, A.; Shaban, H.: Synthesis and Kinetic Analysis of 1,4-Naphthalene-di(carboxylic acid) and Hydroquinone Diacetate Based Homopolyesters, 1808

Alagar, M. See Kumar, A. A., 3808

Albertsson, A.-C. See Hakkarainen, M., 867

Alcântara, E. F. C. See Rabelo, D., 3905

Alcântara, R. M.
—; Pires, A. T. N.; Gomes de Barros, G.; Belfiore, L. A.: Pseudo-interpenetrating Polymer Networks Based on Tetrafunctional Epoxy Resins and Poly(methyl methacrylate), 1858

Al-Eed, M. See El-Hamshary, H., 2522

Alex, R. See Joseph, R., 668

Ali, S. A. See Abu-Sharkh, B. F., 1351, 2290

Ali, Z. I.
—; Youssef, H. A.; Saleh, H. H.; Zahran, A. H.: Physicochemical Properties of Irradiated and Loaded LDPE Films with Polyfunctional Monomers, 2025

Alimi, K. See Zaidi, B., 3091

Allen, S. A. B. See Chiniwalla, P., 568

Alma, M. H. See Acemioğlu, B., 1537

Alsancak, G. Ö. See Şahin, Y., 1652

Alt, H. G. See Denner, C. E., 1336, 3379; Helldörfer, M., 1356

Alvarez, V. A.
—; Kenny, J. M.; Vázquez, A.: Isothermal Crystallization of Poly(vinyl alcohol–*co*–ethylene), 1071

Alvila, L. See Holopainen, H., 3582

Aminabhavi, T. M. See Kulkarni, S. B., 3201; Kumbar, S. G., 2940; Kurkuri, M. D., 300

Amutharani, D. See Sivakumar, M., 2882

An, C.-J. See Ma, G.-H., 163

An, K. H. See Kim, S. J., 24, 258, 2041

An, L. See Yuan, Q., 2102

Anand, V.
—; Choudhary, V.: Copolymerization and Thermal Behavior of Methyl Methacrylate with *N*-(Phenyl/*p*-tolyl) Itaconimides, 1195

Anantharaman, M. R. See Soloman, M. A., 769
Anbarasan, R.
—; Jayaseharan, J.; Sudha, M.; Gopalan, A.: Sonochemical Polymerization of Acrylic Acid and Acrylamide in the Presence of a New Redox System—A Comparative Study, 3685
Anderson, K. S.
—; Lim, S. H.; Hillmyer, M. A.: Toughening of Polylactide by Melt Blending with Linear Low-Density Polyethylene, 3757
Ando, I. See Yamane, Y., 413
Andrade, G. S.
—; Collard, D. M.; Schiraldi, D. A.; Hu, Y.; Baer, E.; Hiltner, A.: Oxygen Barrier Properties of PET Copolymers Containing Bis(2-Hydroxyethyl)hydroquinones, 934
Aniskevich, K.
—; Hristova, J.; Jansons, J.: Physical Aging of Polymer Concrete During Creep, 3427
Antonucci, J. M. See Kashiwagi, T., 2072
Aoyama, M. See Zeng, J., 1791
Arai, T.
—; Freddi, G.; Innocenti, R.; Tsukada, M.: Preparation of Water-Repellent Silks by a Reaction with Octadecenylsuccinic Anhydride, 324
—; See Freddi, G., 1390; Tsukada, M., 638
Aranguren, M. I. See Auad, M. L., 274; Zárate, C. N., 2714
Arayapranee, W.
—; Prasassarakich, P.; Rempel, G. L.: Process Variables and Their Effects on Grafting Reactions of Styrene and Methyl Methacrylate onto Natural Rubber, 63
Archondouli, P. S.
—; Kallitsis, J. K.; Kalfoglou, N. K.: Compatibilization and Property Characterization of Polycarbonate/Polyurethane Polymeric Alloys (Erratum), 287
Arroyo, M. See López-Manchado, M. A., 1
Asahara, J.
—; Sano, A.; Hori, N.; Takemura, A.; Ono, H.: Crosslinked Acrylic Pressure-Sensitive Adhesives. II. Effect of Humidity on the Crosslinking Reaction, 3039
Asai, S. See Katada, A., 1151; Kwak, G.-H., 2149
Asano, T. See Kishi, R., 75
Asif, A. See Kou, H., 1500
Assubaie, F. N. See El-Hamshary, H., 2522
Athawale, A. A.
—; Bhagwat, S. V.: Synthesis and Characterization of Novel Copper/Polyaniline Nanocomposite and Application as a Catalyst in the Wacker Oxidation Reaction, 2412
Auad, M. L.
—; Borrajo, J.; Aranguren, M. I.: Morphology of Rubber-Modified Vinyl Ester Resins Cured at Different Temperatures, 274
Audic, J.-L.
—; Reyx, D.; Brosse, J.-C.: Migration of Additives from Food Grade Polyvinyl Chloride (PVC) Films: Effect of Plasticization by Polymeric Modifiers Instead of Conventional Plasticizers, 1291
Awad, W. H. See Kashiwagi, T., 2072
Ayachi, S. See Zaidi, B., 3091
Aymonier, A.
—; Leclercq, D.; Tordjeman, P.; Papon, E.; Villenave, J.-J.: Control of Structure and Tack Properties of Acrylic Pressure-Sensitive Adhesives Designed by a Polymerization Process, 2749
Azimfar, F. See Zohuri, G. H., 1177

Baba, M. See Hiratani, H., 3786
Badier Rahman, S. M. See Khan, M. A., 655
Bae, Y. H. See Kim, Y. S., 2270; Park, J. H., 1505
Baer, E. See Andrade, G. S., 934; Ronesi, V., 153
Bahrami, S. H.
—; Bajaj, P.; Sen, K.: Effect of Coagulation Conditions on Properties of Poly(acrylonitrile–carboxylic acid) Fibers. 1825
Bai, J. See Kim, J., 1417
Bai, Y. See Chiniwalla, P., 568
Bajaj, P. See Bahrami, S. H., 1825; Jassal, M., 1430
Bajdur, W. M.
—; Sułkowski, W. W.: Polyelectrolytes from NS-Novolak Production Waste, 3000
Bajpai, M. See Bajpai, S. K., 2277
Bajpai, S. K.
—; Bajpai, M.; Dengre, R.: Chemically Treated Hard Gelatin Capsules for Colon-Targeted Drug Delivery: A Novel Approach, 2277
Bakare, I. O. See Aigbodion, A. I., 3256
Balizer, E. See Guillot, F. M., 399
Baltá-Calleja, F. J. See Berdjane, K., 2046
Bandgar, B. M.
—; Sharma, K. C.; Mukundan, T.; Krishnamurthy, V. N.: Rheokinetic Modeling of HTPB–TDI and HTPB–DOA–TDI Systems, 1331
Bandyopadhyay, S. See Rajeev, R. S., 1211
Banerjee, D. See Das, B., 930
Banerjee, J. See Pandey, P. K., 1341
Banerjee, S. See Gutch, P. K., 691
Banu, D. See Feldman, D., 2000
Barahona-Perez, F. See Moreno-Chulim, M. V., 2764
Baranov, A. O.
—; Erina, N. A.; Kuptsov, S. A.; Medintseva, T. I.; Prut, E. V.: Interphase Layer Formation in Isotactic Polypropylene/Ethylene–Propylene Rubber Blends, 249
Barral Losada, L. See Dopico García, M. S., 497
Barrera, E. V. See Cortés, P., 2527; Shofner, M. L., 3081
Basan, S. See Boztuğ, A., 296
Baselga, J. See Serrano, B., 1284
Basu, P. K. See Roy, D., 1959
Batyrova, H. M. See Kozlov, G. V., 1760, 1764
Bayraktar, Z. See Zhang, W., 2201
Beg, M. D. H.
—; Khan, M. A.; Abedin, M. Z.: Effect of Fillers on Curing of Wood Surfaces with Polyester Oligomers by Ultraviolet Radiation, 3826
Begam, T.
—; Nagpal, A. K.; Singhal, R.: A Comparative Study of Swelling Properties of Hydrogels Based on Poly(acrylamide-*co*-methyl methacrylate) Containing Physical and Chemical Crosslinks, 779
Behari, K. See Pandey, P. K., 1341
Behary, N.
—; Campagne, C.; Caze, C.; Perwuelz, A.: Using an Electronic Microbalance Technique to Study the Stick–Slip Behavior of Lubricated Polypropylene Fibers, 645
Behjat, A.
—; Gheysari, D.; Mojrek, A.: Dose Distributions of High-Energy Electrons into Planar and Cylindrical Layers of Low-Density Polyethylene, High-

Density Polyethylene, Poly(vinyl chloride), and Copper for Industrial Applications, 1230
Belfiore, L. A. See Alcântara, R. M., 1858
Belov, G. P. See Kalinina, I. A., 1182
Bénachour, D. See Berdjane, K., 2046
Benachour, D. See Djidjelli, H., 3447
Benavente, R.
—; Scrivani, T.; Cerrada, M. L.; Zamfirova, G.; Pérez, E.; Pereña, J. M.: Glass-Transition Temperature Determination by Microhardness in Norbornene–Ethylene Copolymers, 3666
—; See Ekizoglou, N., 3358
Benz, M.
—; Euler, W. B.: Determination of the Crystalline Phases of Poly(vinylidene fluoride) Under Different Preparation Conditions Using Differential Scanning Calorimetry and Infrared Spectroscopy, 1093
Berdjane, K.
—; Berdjane, Z.; Rueda, D. R.; Bénachour, D.; Baltá-Calleja, F. J.: Microhardness of Ternary Blends of Polyolefins with Recycled Polymer Components, 2046
Berdjane, Z. See Berdjane, K., 2046
Berg, J. C. See Miller, A. C., 521
Bernede, J. C. See Diaz, F. R., 1614
Besana, G. See Pantani, R., 3396
Bevis, M. J. See Sousa, R. A., 2079
Bhadra, S.
—; De, P. P.; Mondal, N.; Mukhapadhyaya, R.; Das Gupta, S.: Regeneration of Carbon Black from Waste Automobile Tires, 465
Bhagwat, S. V. See Athawale, A. A., 2412
Bhattacharya, R. See Das, B., 930
Bhowmick, A. K. See Kader, M. A., 1442; Rajeev, R. S., 1211
Bhushan, B. See Ma, T., 548, 3052
Biagiotti, J. See López-Manchado, M. A., 1; Valentini, L., 2657
Bian, X. See Zeng, J., 1085
Bigan, M. See Choisnard, L., 535
Bigger, S. W. See Cran, M. J., 3006
Billingham, N. C. See Cran, M. J., 3006
Billups, W. E. See Vega-Cantú, Y., 971, 1250
Bimendina, L. A. See Makysh, G. S., 2977
Bin Ahmad, M. See Ibrahim, N. A., 2233
Bishara, A. See Al-Adwani, H., 1808
Blackburn, R. S.
—; Burkinshaw, S. M.: Treatment of Cellulose with Cationic, Nucleophilic Polymers to Enable Reactive Dyeing at Neutral pH Without Electrolyte Addition, 1026
Blanco, I.
—; Cicala, G.; Lo Faro, C.; Recca, A.: Development of a Toughened DGEBS/DDS System Toward Improved Thermal and Mechanical Properties by the Addition of a Tetrafunctional Epoxy Resin and a Novel Thermoplastic, 268
Blondeau, D. See Choisnard, L., 535
Bo, S. See Cai, J., 612
Boersma, A.
—; Mobility and Solubility of Antioxidants and Oxygen in Glassy Polymers. I. Concentration and Temperature Dependence of Antioxidant Sorption, 2163
Boiteux, G. See Douillard, A., 2224
Bongiovanni, R. See Sangermano, M., 1524
Bonilla-Rios, J. See Cortés, P., 2527
Bonner, M. J. See O'Connell, P. A., 1663
Borrajo, J. See Auad, M. L., 274
Borsig, E. See Pavliková, S., 604
Bosch, P. See Mateo, J. L., 2857
Boschi, A. See Tsukada, M., 638
Botros, S. H.
—; Moustafa, A. F.: Preparation and Characterization of Acrylonitrile–Styrene–Methylmethacrylate Terpolymer as a Compatibilizer for Rubber Blends, 3143
Boudenne, A.
—; Khaldi, S.: Temperature and Liquid Crystal Concentration Effect on Thermal Conductivity of Poly(styrene) Dispersed 5CB Liquid Crystal, 481
Boukerrou, A. See Djidjelli, H., 3447
Boullanger, C.
—; Chapel, J. P.; Danel, L.; Fournier, J.: Adhesion Mechanisms of Enamel–Varnishes on Copper: Adhesion Promoter Versus Corrosion Inhibitor, 952
Boztuğ, A.
—; Basan, S.: Syntheses and Characterization of Maleic Anhydride–Styrene–Allyl Propionate Terpolymer Ester Derivatives, 296
Brar, A. S.
—; Pradhan, D. R.: Investigation of Microstructure of the Acrylonitrile-Styrene-Glycidyl Methacrylate Terpolymers by 1D and 2D NMR Spectroscopy, 1779
Brennan, J. See Jenke, D. R., 1049
Bretas, R. E. S. See Lovisi, H., 1690
Broda, J.
—; Polymorphism in Polypropylene Fibers, 3364
Brosse, J.-C. See Audic, J.-L., 1291
Brovelli, F. See Diaz, F. R., 1614
Brown, S. D. See Hall, P. J., 1579
Brucato, V. See La Carrubba, V., 2
Bualek-Limcharoen, S. See Saikrasun, S., 2676
Budrugeac, P.
—; Segal, E.; Popescu, C.: Some Remarks on the Use of Isothermal Thermogravimetric Data for the Evaluation of Kinetic Parameters. Applications for Degradation of Polymeric Materials, 355
Bui, V. T. See Wan, Y., 306
Bunyung, S. See Lewis, C., 837
Burczyk, A. See Van Dyke, J. D., 980
Burkinshaw, S. M. See Blackburn, R. S., 1026
Burt, H. M. See Shi, R., 718

Cai, B.
—; Zheng, Q.-K.; Li, R.-X.; Wu, D.-C.: Adsorption Mechanism of Surfactants on Nonwoven Fabrics, 3210
Cai, H.-S. See Hou, C., 422, 3492
Cai, J.
—; Bo, S.; Li, G.; Zhou, E.; Cheng, R.: Isothermal and Nonisothermal Transition Kinetics of *trans*-1,4-Polybutadiene, 612
Cai, Z. See Wang, T., 2116; Wu, S., 2374
Calil, M. R. See dos Santos Rosa, D., 3539
Calo, J. M. See Hall, P. J., 1579
Calvo, M. See Mateo, J. L., 2857
Camacho, W. See Espert, A., 2353
Cameron, R. E. See Dickers, K. J., 2937
Campagne, C. See Behary, N., 645
Campbell, R. See Ercole, F., 3371
Canche-Escamilla, G. See Moreno-Chulim, M. V., 2764
Caneba, G. T.
—; Zhao, Y.; Dar, Y.: Amphiphilic Styrene–Acrylic Acid Copolymers from the Free-Radical Retrograde-Precipitation Polymerization (FRRPP) Process, 426
Cario, F. O., Jr. See Moreira, A. C. F., 386

Carone, E. See Abbati, G., 2516
Castillo-Ortega, M. M.
—; Del Castillo-Castro, T.; Encinas, J. C.; Perez-Tello, M.; De Paoli, M.-A.; Olayo, R.: Electrically Conducting Polyaniline-PBMA Composite Films Obtained by Extrusion, 179
Çaykara, T.
—; İnam, R.: Determination of the Competitive Adsorption of Heavy Metal Ions on Poly(*N*-vinyl-2-pyrrolidone/acrylic acid) Hydrogels by Differential Pulse Polarography, 2013
—; See İnam, R., 2019
Caze, C. See Behary, N., 645
Cerrada, M. L. See Benavente, R., 3666; Ekizoglou, N., 3358
Chakraborty, A. See Gupta, Y. N., 2051
Chan, C.-K.
—; Chu, I-M.: Stability and Depolymerization of Poly(sebacic anhydride) Under High Moisture Environment, 1423
Chan, H. L. W. See Wong, Y. W., 3160
Chang, F.-C. See Chen, J.-L., 3107; See Huang, J.-M., 1471
Chang, I.-S. See Nam, Y. S., 1631
Chang, S. H. See Ryu, K. S., 1300
Chang, S. J. See Kuo, S. M., 3897
Chansook, N.
—; Kiatkamjornwong, S.: Ce(IV)-Initiated Graft Polymerization of Acrylic Acid onto Poly(ethylene terephthalate) Fiber, 1952
Chao, D. Y. See Wang, C. L., 2723
Chao, P.-Y. See Chen, Z.-L., 2011
Chapel, J. P. See Boullanger, C., 952
Chappey, C. See Leblanc, N., 1838
Charmondusit, K.
—; Prasassarakich, P.; McManus, N. T.; Rempel, G. L.: Hydrogenation of *cis*-1,4-Poly(isoprene) Catalyzed by $OsHCl(CO)(O_2)(PCy_3)_2$, 142
Chattopadhyay, S.
—; Madras, G.: Kinetics of the Enzymatic Degradation of Poly(vinyl acetate) in Solution, 2579
Chen, B. See Yang, F., 3680
Chen, C. See Hu, W., 1347
Chen, C.-H.
—; Thermal and Morphological Studies of Chemically Prepared Emeraldine-Base-Form Polyaniline Powder, 2142
Chen, C. J. See Kuo, S. M., 3897
Chen, C.-Y. See Hsueh, H.-B., 2865
Chen, F.
—; Zhang, J.; Wang, F.; Shi, G.: Raman Spectroscopic Studies on the Structural Changes of Electrosynthesized Polypyrrole Films During Heating and Cooling Processes, 3390
Chen, G.-R. See Zhou, Y.-G., 1520
Chen, J. See Chen, Q., 1385; Liu, Y., 3661; Zhu, X., 28
Chen, J.-L.
—; Chang, F.-C.: Phase Separation and Melting Behavior in Poly(ε-caprolactone)-Epoxy Blends Cured by 3,3′-dimethylmethylene-di(cyclohexylamine), 3107
Chen, K.-N. See Yeh, J.-T., 3728
Chen, L. See Liu, Y., 3661
Chen, M.
—; (Gem) Osaki, S.; Zamora, P. O.; Potekhin, M.: Effect of Nitrogen and Oxygen Incorporated into TMSAA Plasma Coating on Surface-Bound Heparin Activity, 1875
Chen, M.-j. See Adcock, T., 1266
Chen, N.-Y. See Lu, J.-M., 2611
Chen, Q.
—; Gao, B.; Chen, J.: Properties of Impregnation Resin Added to Multifunctional Epoxy at Cryogenic Temperature, 1385
—; See Quan, Y., 2672
Chen, R.
—; Wu, Q.; Zhu, F.; Lin, S.: Syndiotactic Polystyrene-*b*-Atactic Polypropylene Block Copolymer Alloy as a Compatibilizer for Syndiotactic Polystyrene/Isotactic Polypropylene Blends, 1596
Chen, R.-S. See Yang, C.-P., 14
Chen, T.-S. See Huang, Y.-J., 3336, 3347
Chen, W. See Yao, F., 18
Chen, X. See Huang, J., 3180; Wang, C., 3432; Zeng, J., 1085
Chen, X.-F. See Zhao, J.-R., 811
Chen, Y. See Hu, Z., 3889; Huang, W., 3437
Chen, Y.-M. See Lee, W.-F., 1884, 2261
Chen, Y.-Y. See Li, H.-B., 1139
Chen, Z. See Tang, Y., 2586; Wang, S., 2583
Chen, Z.-L.
—; Chao, P.-Y.; Chiu, S.-H.: Erratum to "Empirical Viscosity Model for Polymers with Power-Law Flow Behavior", 2011
Cheng, G. See Lu, S., 3790; Wang, T., 2116
Cheng, H.-J. See Huang, J.-M., 1471
Cheng, R. See Cai, J., 612; Zhou, N., 2179
Cheng, S. See Peng, H., 1542, 3175; Yang, Z., 924; Zhang, J., 2791
Cheng, S.-Y. See Yuan, J.-J., 1017
Cheng, Z. See Zhu, X., 28
Cheung, M. K. See He, J.-D., 3404; Li, S.-D., 1530
Cheung, W. L. See Lin, X. D., 1743
Cheung, Y. W. See Ronesi, V., 153
Chiang, H.-C. See Yang, C.-P., 14
Chidambaram, D.
—; Venkatraj, R.; Manisankar, P.: Solvent-Induced Modifications in Polyester Yarns. II. Structural and Thermal Behavior, 1555
Chiniwalla, P.
—; Bai, Y.; Elce, E.; Shick, R.; McDougall, W. C.; Allen, S. A. B.; Kohl, P. A.: Crosslinking and Decomposition Reactions of Epoxide Functionalized Polynorbornene. Part I. FTIR and Thermogravimetric Analysis, 568
Chiou, B.-S.
—; Lankford, A. R.; Schoen, P. E.: Modifying Tubule Distribution in Tubule-Filled Composites by Using Polyurethane–Polydimethylsiloxane Interpenetrating Polymer Networks, 1032
Chiu, H.-T.
—; Chiu, S.-H.; Wu, J.-H.: Study on Mechanical Properties and Intermolecular Interaction of Silicone Rubber/Polyurethane/Epoxy Blends, 959
Chiu, S.-H. See Chen, Z.-L., 2011; Chiu, H.-T., 959
Chmiel-Szukiewicz, E. See Kucharski, M., 2973
Cho, G. S. See Hwang, K. T., 3476
Cho, K.
—; Yang, J.; Kang, B. I.; Park, C. E.: Notch Sensitivity of Polycarbonate and Toughened Polycarbonate, 3115
Cho, K. S.
—; Kim, S. Y.: Thermodynamic Theory of the Viscoelasticity and Yield of Glassy Polymers: Internal Time Theory, 2400
Cho, W.-J. See Kim, S.-J., 1305
Cho, W. J. See Zhou, M. H., 1818
Choi, C. See Jeong, Y.-I., 1116
Choi, H. J. See Kim, J. W., 821
Choisnard, L.
—; Bigan, M.; Blondeau, D.; Dhulster, P.; Leman, B.; Guillochon, D.: Application of the Method of the

Experimental Design to the Study of a Processing of Unshrinkableness of Wool Fibers, 535
Choudhary, V. See Anand, V., 1195
Chowdhury, S. R. See Kim, S.-J., 1305
Choy, C. L. See Wong, Y. W., 3160
Chu, C.-C. See Zhang, X.-Z., 1935
Chu, I-M. See Chan, C.-K., 1423
Chu, T.-J. See Hsueh, H.-B., 2865
Chun, H.
—; Joo, W.-J.; Kim, N.-J.; Moon, I. K.; Kim, N.: Applications of Polymeric Photorefractive Material to Reversible Data Storage and Information Processing, 368
Chung, I. J. See Wang, K. H., 2131
Chung, T. D. See Kim, S. J., 2041, 2301
Cicala, G. See Blanco, I., 268
Collard, D. M. See Andrade, G. S., 934
Colonna, G. M. See Tsukada, M., 638
Contat-Rodrigo, L. See Vallés-Lluch, A., 3260
Cortés, P.
—; Lozano, K.; Barrera, E. V.; Bonilla-Rios, J.: Effects of Nanofiber Treatments on the Properties of Vapor-Grown Carbon Fiber Reinforced Polymer Composites, 2527
Coutinho, F. M. B. See Lovisi, H., 1690
Couturier, M. See Rouison, D., 2553
Cran, M. J.
—; Fearon, P. K.; Billingham, N. C.; Bigger, S. W.: Application of Chemiluminescence to Probe Miscibility in Metallocene-Catalyzed Polyethylene Blends, 3006
Creber, K. A. M. See Wan, Y., 306
Cui, C.-X. See Xu, S.-M., 263
Cui, Y.
—; Hong, L.; Wang, X.; Tang, X.: Evaluation of the Cure Kinetics of Isocyanate Reactive Hot-Melt Adhesives with Differential Scanning Calorimetry, 2708
Cui, Z. See Lü, C., 2426
Cunha, A. M. See Sousa, R. A., 2079
Curvelo, A. A. S. See Ferreira, F. C., 2957

Dadbin, S.
—; Frounchi, M.: Effects of Polyurethane Soft Segment and Crosslink Density on the Morphology and Mechanical Properties of Polyurethane/Poly(allyl diglycol carbonate) Simultaneous Interpenetrating Polymer Networks, 1583
Dahlan, K. Z. M. See Ibrahim, N. A., 2233
Dan, Y. See Yang, M., 1405
Danel, L. See Boullanger, C., 952
Daniels, E. S. See Jeong, P., 451
Danner, R. P. See Hamedi, M., 697
Dar, Y. See Caneba, G. T., 426
Das, B.
—; Kar, S.; Sanyal, D.; Banerjee, D.; Bhattacharya, R.: Study of Polyaniline Polyacrylamide Composites by Positron Annihilation Technique, 930
das Graças Fassina Guedes, C. See dos Santos Rosa, D., 3539
Das Gupta, S. See Bhadra, S., 465
Das, L. R. See Khan, M. A., 655
Das, P.
—; Saikia, C. N.: Homogeneous Graft Copolymerization of Acrylonitrile onto High α-Cellulose in a Dimethyl Acetamide and Lithium Chloride Solvent System, 630
da Trindade Neto, C. G. See Fernandes, A. L. P., 191
De, P. P. See Bhadra, S., 465
De, S. K. See Rajeev, R. S., 1211
De Clerck, K.
—; Rahier, H.; Van Mele, B.; Kiekens, P.: Thermal Properties Relevant to the Processing of PET Fibers, 3840
Degamber, B.
—; Fernando, G. F.: Fiber Optic Sensors for Noncontact Process Monitoring in a Microwave Environment, 3868
De Jaeger, R. See Dez, I., 1925
Del Castillo-Castro, T. See Castillo-Ortega, M. M., 179
del Valle, M. A. See Diaz, F. R., 1614
Deng, K. See Liu, Y., 2283
Dengre, R. See Bajpai, S. K., 2277
Denizli, A. See Özkara, S., 1567
Denner, C. E.
—; Alt, H. G.: Increase of Catalyst Activity by Transfer of Bulky Alkyl Groups from Zirconocene Complexes to Methylalumoxane, 1336
—; Alt, H. G.: Self-Immobilization of Methylaluminoxane in Metallocene-Induced Olefin Polymerization Reactions, 3379
De Paoli, M.-A. See Castillo-Ortega, M. M., 179
de Santa Maria, L. C. See Lovisi, H., 1690
Devi, L. G. See Rajulu, A. V., 2970
De Yao, K. See Yao, F., 3850
Dez, I.
—; De Jaeger, R.: Synthesis of Polyurethane/Polyethylene Grafted Polymers Using Cyclotriphosphazene as a Coupling Agent, 1925
Dhulster, P. See Choisnard, L., 535
Diaz, F. R.
—; del Valle, M. A.; Brovelli, F.; Tagle, L. H.; Bernede, J. C.: Preparation and Characterization of Organic Films by the Electrooxidation of a Thiophene Imine Derivative, 1614
Dickers, K. J.
—; Huatan, H.; Cameron, R. E.: Polyglycolide-Based Blends for Drug Delivery: A Differential Scanning Calorimetry Study of the Melting Behavior, 2937
Díez Redondo, F. J. See Dopico García, M. S., 497
D'Ilario, L. See Abbati, G., 2516
Dimonie, V. L. See Jeong, P., 451
Dinakaran, K. See Kumar, A. A., 3808
Dindar, C. See Zhang, W., 2201
Ding, B. See Gong, J., 1573
Ding, W.
—; Xu, C.; Xu, S.; Wang, S.: Preparation of Large-Sized Graded-Index Polymer Preform, 817
Dinu, M. V. See Dragan, S., 2701
Djidjelli, H.
—; Kaci, M.; Boukerrou, A.; Benachour, D.; Martinez-Vega, J. J.: Hydrothermic Aging of Plasticized Poly(vinyl chloride): Its Effect on the Dielectric, Thermal, and Mechanical Properties, 3447
Djokovic, V. See Mtshali, T. N., 2446
Dong, W. See Quan, Y., 2672
Dopico García, M. S.
—; González Rodríguez, M. V.; Díez Redondo, F. J.; López Lago, J.; Barral Losada, L.: Kinetic of Epoxy Resin Formation by High-Performance Liquid Chromatography, 497
dos Santos Rosa, D.
—; Rodrigues, T. C.; das Graças Fassina Guedes, C.; Calil, M. R.: Effect of Thermal Aging on the Biodegradation of PCL, PHB-V, and Their Blends with Starch in Soil Compost, 3539
Doty, M. See Jenke, D. R., 1049

Douillard, A.
—; Hardy, L.; Stevenson, I.; Boiteux, G.; Seytre, G.; Kazmierczak, T.; Galeski, A.: Texture and Morphology of Biaxially Stretched Poly(ethylene naphthalene-2,6-dicarboxylate), 2224
Dragan, S.
—; Dinu, M. V.; Vlad, C. D.: Ion-Exchange Resins. II. Acrylamide Crosslinked Copolymers as Precursors for Some Ion Exchangers, 2701
Du, A.
—; Peng, Z.; Zhang, Y.; Zhang, Y.: Properties of EVM Vulcanizates Reinforced by *In Situ* Prepared Sodium Methacrylate, 2192
Duckett, R. A. See O'Connell, P. A., 1663
Duda, J. L. See Hamedi, M., 697
Duh, B.
—; Solid-State Polymerization of Poly(trimethylene terephthalate), 3188
Duliban, J. See Kucharski, M., 2973
Duncan, S. See Van Dyke, J. D., 980

Eardrod, K. See Nakason, C., 1453
Easteal, A. J. See Zhang, C., 1322
Ebrahimi, N. G. See Ajili, S. H., 2496
Ede, N. See Ercole, F., 3371
Efimov, V. P. See Urazbaev, V. N., 601
Eisenberg, A. See Rajagopalan, M., 728
Ekizoglou, N.
—; Thorshaug, K.; Cerrada, M. L.; Benavente, R.; Pérez, E.; Pereña, J. M.: Influence of the Molecular Weight on the Thermal and Mechanical Properties of Ethylene/Norbornene Copolymers, 3358
El-Aasser, M. S. See Jeong, P., 451
El-Bakary, M. A. See Sokkar, T. Z. N., 1737
Elce, E. See Chiniwalla, P., 568
El-Farahary, K. A. See Sokkar, T. Z. N., 1737
El-Garawany, M. See El-Hamshary, H., 2522
El-Hamshary, H.
—; El-Garawany, M.; Assubaie, F. N.; Al-Eed, M.: Synthesis of Poly(acrylamide-*co*-4-vinylpyridine) Hydrogels and Their Application in Heavy Metal Removal, 2522
Eliassi, A. See Nozary, S., 1983
Ellis, J. W. See Leewajanakul, P., 620
El-Naggar, A. M. See Zohdy, M. H., 2604
El-Sayed, N. H. See Abd El-Ghaffar, M. A., 1478
El Tahlawy, K.
—; Hudson, S. M.: Synthesis of a Well-Defined Chitosan Graft Poly(methoxy polyethyleneglycol methacrylate) by Atom Transfer Radical Polymerization, 901
Encinas, J. C. See Castillo-Ortega, M. M., 179
Endo, T. See Zhang, F., 3292
Ercole, F.
—; FitzGerald, M.; Perera, S.; Ede, N.; Riley, P.; Campbell, R.: A Combinatorial Approach in Designing Hydrophilic Surfaces for Solid-Phase Peptide Synthesis, 3371
Erina, N. A. See Baranov, A. O., 249
Esen, H.
—; Küsefoğlu, S. H.: Photolytic and Free-Radical Polymerization of Cinnamate Esters of Epoxidized Plant Oil Triglycerides, 3882
Espert, A.
—; Camacho, W.; Karlson, S.: Thermal and Thermomechanical Properties of Biocomposites Made from Modified Recycled Cellulose and Recycled Polypropylene, 2353
Espuche, E. See Hardy, L., 1849
Esteban, I. See Serrano, B., 1284
Eswaran, S. V. See Roy, D., 1959
Etxabarren, C.
—; Iriarte, M.; Etxeberria, A.; Uriarte, C.; Iruin, J. J.: Determination of the Diffusion Coefficients of Organic Solvents in Polyepichlorohydrin: A Comparative Study of Inverse Gas Chromatography and Sorption Methods, 2216
Etxeberria, A. See Etxabarren, C., 2216
Euler, W. B. See Benz, M., 1093

Fan, W. See Liu, N., 134; Tang, Y., 2586; Wang, S., 2583
Fan, X. See Xie, Y., 2686
Fan, X.-D. See Liu, Y.-Y., 361
Fan, Z. See Peng, H., 3175
Fan, Z.-Q. See Yuan, J.-J., 1017
Fang, X. See Xie, T., 2256
Fanta, G. F.
—; Felker, F. C.; Salch, J. H.: Graft Polymerization of Acrylonitrile onto Starch-Coated Polyethylene Film Surfaces, 3323
Farah, M. See Lovisi, H., 1690
Faria, L. C. See Rabelo, D., 3905
Fave, J. L. See Zaidi, B., 3091
Fearon, P. K. See Cran, M. J., 3006
Feldman, D.
—; Banu, D.; Manley, R. S. J.; Zhu, H.: Highly Filled Blends of a Vinylic Copolymer with Plasticized Lignin: Thermal and Mechanical Properties, 2000
Feliciani, R. See Incarnato, L., 1768
Felker, F. C. See Fanta, G. F., 3323
Feng, J.-M. See Yang, W., 686
Feng, L. See Peng, H., 1542, 3175
Feng, L.-X. See Yuan, J.-J., 1017
Feng, S. See Li, M., 806; Zhang, J., 1548, 3471
Feng, Y. See Zhao, J.-R., 811
Feng, Z. See Yang, F., 3680
Fernandes, A. L. P.
—; Martins, R. R.; da Trindade Neto, C. G.; Pereira, M. R.; Fonseca, J. L. C.: Characterization of Polyelectrolyte Effect in Poly(Acrylic Acid) Solutions, 191
Fernando, G. F. See Degamber, B., 3868
Ferreira, F. C.
—; Curvelo, A. A. S.; Mattoso, L. H. C.: Preparation and Characterization of Benzylated Sisal Fibers, 2957
FitzGerald, M. See Ercole, F., 3371
Fonseca, J. L. C. See Fernandes, A. L. P., 191
Fortelný, I. See Kelnar, I., 3647
Fournier, J. See Boullanger, C., 952
Freddi, G.
—; Innocenti, R.; Arai, T.; Shiozaki, H.; Tsukada, M.: Physical Properties of Wool Fibers Modified with Isocyanate Compounds, 1390
—; See Arai, T., 324; Tsukada, M., 638
Friedrich, K. See Vassileva, E., 3774
Frounchi, M. See Dadbin, S., 1583
Fu, Y. See Huang, W., 3437
Fu, Y.-T. See Lee, W.-F., 3652
Fuhrmann, I.
—; Karger-Kocsis, J.: Photoinitiated Grafting of Glycidyl Methacrylate and Methacrylic Acid on Ground Tire Rubber, 1622
Fujimura, T.
—; Tsuchiya, M.; Koizumi, T.; Ishimaru, K.; Kojima, T.: Synthesis and Fluorescence in Solution of Polybenzimidazolyl-phenylenephthalamides, 1412
Fung, M. K. See Wang, S. J., 1645
Furman, K. See Ward, J. H., 3506

Gabriëlse, W. See La Carrubba, V., 2
Gagnon, M.
—; Roy, C.; Rodrigue, D.; Riedl, B.: Calorimetric and Rheological Study of Isocyanate–Pyrolysis Oil Blends, 1362
Gaina, C. See Gaina, V., 3547
Gaina, V.
—; Gaina, C.; Paraschiv, I.: Thermal Behavior and Cured Products of Bis(4-maleimidodiphenyl)-methane, Bis(isomaleimido-diphenyl)methane and 4,4'-Diaminodiphenyl Methane Mixtures, 3547
Gakh, A. See Thorat, S. D., 1163
Galante, M. J. See Giannotti, M. I., 405
Galeski, A. See Douillard, A., 2224
Gandhidasan, R. See Inbaraj, J. J., 3925
Gao, B. See Chen, Q., 1385
Gao, F.
—; Reitz, F. B.; Pollack, G. H.: Potentials in Anionic Polyelectrolyte Hydrogels, 1319
Gao, J.
—; Yu, M.; Li, Y.; Li, Z.: Nonisothermal Crystallization Kinetics of Linear Bimodal–Polyethylene (LBPE) and LBPE/Low-Density Polyethylene Blends, 2431
Gao, Q. See Yuan, J.-J., 1017
Gao, R. See Zheng, S., 505
Gao, W. See Wang, Q., 2397
Gao, Y.
—; Yu, Y.: The Synergistic Effect of Dicyandiamide and Resorcinol in the Curing of Epoxy Resins, 1869
Gardner, D. J. See Son, J., 1638
Garg, V. K. See Rabelo, D., 3905
Gawish, S. M. See Mosleh, S., 2917
Ge, X. See Ye, Q., 2108
Ghedira, M. See Zaidi, B., 3091
Gheysari, D. See Behjat, A., 1230
Ghim, H. D. See Lee, J. S., 2391; Yoon, W. S., 1890
Ghosh, S.
—; Villarreal, L.: Creating Aesthetics and Functional Values in Cotton Fabrics through the Introduction of Thermobonding Amorphous Polyester Fibers into Blends, 3747
Giannotti, M. I.
—; Solsona, M. S.; Galante, M. J.; Oyanguren, P. A.: Morphology Control in Polysulfone-Modified Epoxy Resins by Demixing Behavior, 405
Gilbert, M. See Hitt, D. J., 3859
Gnatowski, M. See Van Dyke, J. D., 980
Goikhman, M. Y. See Polotskaya, G. A., 2361
Gök, A.
—; Sarı, B.; Talu, M.: Synthesis and Characterization of Novel Polyfuran/Poly(2-iodoaniline) Conducting Composite, 2823
Gomes de Barros, G. See Alcântara, R. M., 1858
Gonçalves, M. C. See Redondo, S. U. A., 3739
Gong, J.
—; Li, X.-D.; Ding, B.; Lee, D.-R.; Kim, H.-Y.: Preparation and Characterization of $H_4SiMo_{12}O_{40}$/Poly(vinyl alcohol) Fiber Mats Produced by an Electrospinning Method, 1573
Gong, M.-S. See Lee, C.-W., 1062
González Rodríguez, M. V. See Dopico García, M. S., 497
Goossens, J. G. P. See Picchioni, F., 3279
Gopalan, A. See Anbarasan, R., 3685
Grady, B. P. See Leewajanakul, P., 620
Greco, A.
—; Maffezzoli, A.: Statistical and Kinetic Approaches for Linear Low-Density Polyethylene Melting Modeling, 289
Gröning, M. See Hakkarainen, M., 867
Gu, A.
—; Liang, G.: Thermal Stability and Kinetic Analysis of Rubber-Modified Epoxy Resin by High-Resolution Thermogravimetric Analysis, 3594
Gu, L. See Li, X., 1696; Sui, K., 1753
Gu, Z. See He, C., 3931, 3939
Gui, Z. See Tang, Y., 2586
Guillochon, D. See Choisnard, L., 535
Guillot, F. M.
—; Balizer, E.: Electrostrictive Effect in Polyurethanes, 399
Gumargalieva, K. Z. See Kalinina, I. A., 1182
Gundogan, R. See Acemioğlu, B., 1537
Guo, H. See Tian, C., 3137
Guo, J.-S. See Xie, H.-Q., 2982
Guo, Q. See Zheng, S., 505
Guo, S. See Pi, H., 753
Guo, X.-M. See Zhou, Y.-G., 1520
Gupta, A.
—; Singhal, R.; Nagpal, A. K.: Crosslinking Reaction of Epoxy Resin (Diglycidyl Ether of Bisphenol A) by Anionically Polymerized Polycaprolactam: I. Mechanism and Optimization, 3237
Gupta, Y. N.
—; Chakraborty, A.; Pandey, G. D.; Setua, D. K.: High-Resolution Thermogravimetry/Coupled Mass Spectrometry Analysis of Flame-Retardant Rubber, 2051
Gurnule, W. B.
—; Rahangdale, P. K.; Paliwal, L. J.; Kharat, R. B.: Chelation Ion-Exchange Properties of Copolymer Resin Derived from 4-Hydroxyacetophenone, Oxamide, and Formaldehyde, 787
Gutch, P. K.
—; Banerjee, S.; Jaiswal, D. K.: Synthesis and Properties of Novel Aromatic Polyamides Derived from 2,2-Bis 4-(4-amino-2-fluorophenoxy)phenyl}-hexafluoropropane and Aromatic Dicarboxylic Acids, 691

Ha, C.-S. See Kim, S.-J., 1305
Habibi, S. M. See Mirzaei, A. A., 3918
Hajipour, A. See Mallakpour, S., 116
Hajipour, A.-R. See Mallakpour, S., 1942
Hakkarainen, M.
—; Gröning, M.; Albertsson, A.-C.: Solid-Phase Microextraction (SPME) in Polymer Characterization—Long-Term Properties and Quality Control of Polymeric Materials, 867
Hall, P. J.
—; Hitchman, M. J.; Brown, S. D.; Calo, J. M.: Effect of Temperature and Pressure Treatment on the Porosity of Expanded Polytetrafluoroethylene Films, 1579
Hamad, E. Z. See Abu-Sharkh, B. F., 1351, 2290
Hamedi, M.
—; Danner, R. P.; Duda, J. L.: A Lattice-Fluid, Group-Contribution Treatment of the Glass Transition of Homopolymers, Copolymers, and Polymer Solutions, 697
Han, D.-K. See Park, D.-H., 3272
Han, H. See Seo, J., 3442
Han, S. See Song, J.-M., 3100
Han, S.-H. See Nam, Y. S., 1631
Hanphichanchai, S. See Petsom, A., 1918
Haponiuk, J. T. See Joseph, S., 1007, 3700
Harada, T. See Matsuyama, K., 742

Hardy, L.
—; Espuche, E.; Seytre, G.; Stevenson, I.: Gas Transport Properties of Poly(Ethylene-2,6-Naphtalene Dicarboxylate) Films: Influence of Crystallinity and Orientation, 1849
—; See Douillard, A., 2224
Harris, R. H., Jr. See Kashiwagi, T., 2072
Hassan, M. L. See Nada, A.-A. M. A., 2950
Hassan, M. M.
—; Islam, M. R.; Sawpan, M. A.; Khan, M. A.: Effect of Silane Monomer on the Improvement of Mechanical and Degradable Properties of Photografted Jute Yarn with Acrylamide, 3530
Hassan, M. S. See Zohdy, M. H., 2604
Hassanpour, S.
—; Khoylou, F.; Jabbarzadeh, E.: Thermal Degradation of Electron Beam Crosslinked Polyethylene and (Ethylene–vinylacetate) Blends in Hot Water, 2346
Hatate, Y. See Yoshida, M., 1966
Hauge, R. See Vega-Cantú, Y., 971, 1250
Hay, A. S. See Wang, S. J., 1645
Hayashi, K.-I. See Matsuyama, K., 742
He, A.
—; Huang, B.; Jiao, S.; Hu, Y.: Synthesis of a High-Trans 1,4-Butadiene/Isoprene Copolymers with Supported Titanium Catalysts, 1800
He, C.
—; Gu, Z.: Studies on Acrylic Acid-Grafted Polyester Fabrics by Electron Beam Preirradiation Method. I. Effects of Process Parameters on Graft Ratio and Characterization of Grafting Products, 3931
—; Gu, Z.; Tian, J.: Studies on Acrylic Acid-Grafted Polyester Fabrics by Electron Beam Preirradiation Method. II. Novel Intelligent Immersion-Resistant and Moisture-Permeable Fabrics, 3939
He, G.
—; Riedl, B.; Aït-Kadi, A.: Curing Process of Powdered Phenol–Formaldehyde Resol Resins and the Role of Water in the Curing Systems, 1371
He, J. See Xue, Y., 1493
He, J.-D.
—; Cheung, M. K.; Yang, M.-S.; Qi, Z.: Thermal Stability and Crystallization Kinetics of Isotactic Polypropylene/Organomontmorillonite Nanocomposites, 3404
—; See Li, S.-D., 1530
He, W. See Hu, J., 1124
Helal, M. H. See Ibrahim, N. A., 3563
Helldörfer, M.
—; Alt, H. G.: The Influence of Various Reaction Parameters on the Performance of (α-Diimine)nickel(II) Catalysts in Ethylene Oligomerization Reactions, 1356
Hendrikse, K. G. See Van Der Horst, M., 47
Herrero, B. See López-Manchado, M. A., 1
Hester, R. D. See Rushing, T. S., 2831
Hillmyer, M. A. See Anderson, K. S., 3757
Hilter, A. See Ronesi, V., 153
Hiltner, A. See Andrade, G. S., 934
Hinks, D. See Hooker, J., 2545
Hirano, T. See Masaki, K., 2095
Hirata, M. See Yamada, K., 2535, 3574
Hiratani, H.
—; Baba, M.; Yasui, T.; Ito, E.; Yung, L.-Y. L.: Surface Wettability Improvement of Silicone Elastomers Synthesized with Water-Soluble Polyacrylic Acid Molds, 3796
Hirotsu, T. See Zhang, F., 3292
Hitchman, M. J. See Hall, P. J., 1579
Hitt, D. J.
—; Gilbert, M.: Dimensional Stability of Oriented, Rigid Poly(vinyl chloride), 3859
Hoffman, H. See Ye, L., 2664
Holopainen, H.
—; Alvila, L.; Pakkanen, T. T.; Rainio, J.: Determination of the Formaldehyde-to-Phenol Molar Ratios of Resol Resins by Infrared Spectroscopy and Multivariate Analysis, 3582
Holze, R. See Özçiçek, N. P., 862
Hong, L. See Cui, Y., 2708; Liu, Y., 2815
Hood, D. K.
—; Senak, L.; Kopolow, S. L.; Tallon, M. A.; Kwak, Y. T.; Patel, D.; McKittrick, J.: Structural Insights into a Novel Molecular-Scale Composite of Soluble Poly(vinyl pyrrolidone) Supporting Uniformly Dispersed Nanoscale Poly(vinyl pyrrolidone) Particles, 734
Hooker, J.
—; Hinks, D.; Montero, G.; Icherenska, M.: Enzyme-Catalyzed Hydrolysis of Poly(ethylene terephthalate) Cyclic Trimer, 2545
Hori, N. See Asahara, J., 3039
Hou, C.
—; Wang, C.-G.; Cai, H.-S.; Zhang, W.-X.: Determination of the Reactivity Ratios for Acrylonitrile/*N*-Vinylpyrrolidone Copolymerization Systems, 422
—; Wang, C.-G.; Ying, L.; Cai, H.-S.: Effect of Inorganic Salts on Viscosity of Acrylonitrile-*N*-Vinylpyrrolidone Copolymer Solutions, 3492
Hou, Y. H.
—; Zhang, M. Q.; Rong, M. Z.: Performance Stabilization of Conductive Polymer Composites, 2438
Hristova, J.
—; Minster, J.: Filler Fraction Effect on Creep Response of Crosslinked Polyester Matrix with Mineral Filler, 3329
—; See Aniskevich. K., 3427
Hsieh, Y.-L. See Xie, J., 998
Hsu, C.-Y. See Liu, Y.-L., 791
Hsu, W.-P.
—; Phase Behavior of Hydrogen-Bonded Ternary Polymer Blends, 2088
Hsueh, H.-B.
—; Chen, C.-Y.; Wang, C.-C.; Chu, T.-J.: Preparation and Properties of APPSSQ-like/Polyimide Hybrid Composites, 2865
Hu, J.
—; Zhao, H.; Zhang, Q.; He, W.: Synthesis and Characterization of Submicron PMMA Particles Containing Rare Earth Ions on the Surface, 1124
—; See Pionteck, J., 1976
Hu, J.-S.
—; Zhang, B.-Y.; Liu, L.-M.; Meng, F.-B.: Synthesis, Structures, and Properties of Side-Chain Cholesteric Liquid-Crystalline Polysiloxanes, 3944
Hu, W.
—; Liu, B.; Wang, D.; Yang, Y.; Chen, C.; Jiang, Z.; Zhang, W.; Wu, Z.: Synthesis and Thermotropic Liquid-Crystalline Behavior of Novel Main-Chain Poly(aryl ether ketones), 1347
Hu, X. See Jiang, L., 1464

Hu, Y. See Andrade, G. S., 934; He, A., 1800; Tang, Y., 2586; Wang, S., 2583
Hu, Z.
—; Zhang, S.; Yang, J.; Chen, Y.: Some Properties of Aqueous-Solutions of Poly (vinylamine chloride), 3889
Hua, J. See Liu, Y., 3661
Huang, A. See Liu, Y., 3661
Huang, B. See He, A., 1800; Yang, F., 3680
Huang, J.
—; Wang, X.; Chen, X.; Yu, X.: Temperature-Sensitive Membranes Prepared by the Plasma-Induced Graft Polymerization of *N*-Isopropylacrylamide into Porous Polyethylene Membranes, 3180
—; Zhang, L.; Wang, X.: Soy Protein–Lignosulphonate Plastics Strengthened with Cellulose, 1685
Huang, J.-C.
—; Analysis of the Thermodynamic Compatibility of Poly(vinyl chloride) and Nitrile Rubbers from Inverse Gas Chromatography, 1242
Huang, J.-G. See Huang, Y.-J., 3336, 3347
Huang, J.-M.
—; Cheng, H.-J.; Wu, J.-S.; Chang, F.-C.: Blends of Poly(propylene) and Polyacetal Compatibilized by Ethylene Vinyl Alcohol Copolymers, 1471
Huang, R. See Ye, L., 2664
Huang, W.
—; Fu, Y.; Wang, C.; Xu, Y.; Chen, Y.: Radiation Effects on Methyl Vinyl Polysilicone Foam, 3437
Huang, X. See Ren, T., 340
Huang, X.-X. See Vasanthan, N., 12
Huang, Y. See Wang, D., 85; Zhang, Y., 1702
Huang, Y.-J.
—; Chen, T.-S.; Huang, J.-G.; Lee, F.-H.: Effects of Poly(vinyl acetate) and Poly(vinyl chloride-*co*-vinyl acetate) Low-Profile Additives on Properties of Cured Unsaturated Polyester Resins. II. Glass-Transition Temperatures and Mechanical Properties, 3347
—; Chen, T.-S.; Huang, J.-G.; Lee, F.-H.: Effects of Poly(vinyl acetate) and Poly(vinyl chloride-*co*-vinyl acetate) Low-Profile Additives on Properties of Cured Unsaturated Polyester Resins. I. Volume Shrinkage Characteristics and Internal Pigmentability, 3336
Huang, Z.-M. See Shan, G.-R., 3309
Huatan, H. See Dickers, K. J., 2937
Hudson, S. M. See El Tahlawy, K., 901
Hui, N. M. See Wong, Y. W., 3160
Hwang, K. T.
—; Kim, J. T.; Jung, S. T.; Cho, G. S.; Park, H. J.: Properties of Chitosan-Based Biopolymer Films with Various Degrees of Deacetylation and Molecular Weights, 3476
Hwang, T.-S. See Lee, Y.-K., 2589

Ibrahim, N. A.
—; Youssef, M. A.; Helal, M. H.; Shaaban, M. F.: Exhaust Dyeing of Polyester-Based Textiles Using High-Temperature–Alkaline Conditions, 3563
—; Yunus, W. M. Z. W.; Abu-Ilaiwi, F. A.; Ab Rahman, M. Z.; Bin Ahmad, M.; Dahlan, K. Z. M.: Graft Copolymerization of Methyl Methacrylate onto Oil Palm Empty Fruit Bunch Fiber Using H_2O_2/Fe^{2+} as an Initiator, 2233
Ibrahim, S. M.
—; Synthetic Absorbent for Dyestuffs Based on Gamma Crosslinked Poly(vinyl alcohol) (PVA), 349
Icherenska, M. See Hooker, J., 2545
Ikhuoria, E. U. See Aigbodion, A. I., 3256
Iliadis, A. A. See Mulligan, R. F., 1058
Imamura, Y. See Yamamoto, K., 1277
Inagaki, N.
—; Narushima, K.; Lim, S. K.: Effects of Aromatic Groups in Polymer Chains on Plasma Surface Modification, 96
İnam, R.
—; Çaykara, T.; Şirin Alan, S.: Polarographic Determination of the Competitive Adsorption of U(VI), Pb(II), and Cd(II) Ions on Poly(*N*-vinyl-2-pyrrolidone-*g*-citric acid) Hydrogels, 2019
—; See Çaykara, T., 2013
Inbaraj, J. J.
—; Vinodu, M. V.; Gandhidasan, R.; Murugesan, R.; Padmanabhan, M.: Photosensitizing Properties of Ionic Porphyrins Immobilized on Functionalized Solid Polystyrene Support, 3925
Incarnato, L.
—; Scarfato, P.; Acierno, D.; Milana, M. R.; Feliciani, R.: Influence of Recycling and Contamination on Structure and Transport Properties of Polypropylene, 1768
Innocenti, R. See Arai, T., 324; Freddi, G., 1390
Iriarte, M. See Etxabarren, C., 2216
Iruin, J. J. See Etxabarren, C., 2216
Irwan, G. S.
—; Kuroda, S.-I.; Kubota, H.; Kondo, T.: Examination of the Role of Oxygen in the Photografting of Methacrylic Acid on a Polyethylene Film with a Mixed Solvent Consisting of Water and Organic Solvents, 992
Ishikawa, H. See Matsuyama, K., 742
Ishimaru, K. See Fujimura, T., 1412
Ishizu, K.
—; Park, J.; Ohta, Y.; Shibuya, T.: Synthesis and Characterization of Methyl Methacrylate/Styrene Hyperbranched Copolymers via Living Radical Mechanism, 2490
Islam, M. R. See Hassan, M. M., 3530
Isogai, T. See Katada, A., 1151
Ito, E. See Hiratani, H., 9
Ito, H. See Mimura, K., 527

Jabarin, S. A. See Kim, T. Y., 197, 213, 228
Jabbarzadeh, E. See Hassanpour, S., 2346
Jaiswal, D. K. See Gutch, P. K., 691
Jamjah, R. See Zohuri, G. H., 1177
Jang, L. W. See Kim, J. W., 821
Jang, M.-K. See Jeong, Y.-I., 1116
Jang, W. See Seo, J., 3442
Janik, H. See Joseph, S., 1007, 3700
Jankova, K. See Petrov, P., 711
Jansons, J. See Aniskevich, K., 3427
Jara, M. See Rivas, B. L., 2852
Jassal, M.
—; Acharya, B. N.; Bajaj, P.: Synthesis, Characterization, and Rheological Studies of Methacrylic Acid–Ethyl Acrylate–Diallyl Phthalate Copolymers, 1430
Jastrzêbska, M. See Joseph, S., 1007, 3700
Jayaseharan, J. See Anbarasan, R., 3685
Jayaswal, N. See Sinha, S., 1991
Jegal, J. See Kim, J. H., 3046
Jenke, D. R.
—; Brennan, J.; Doty, M.; Poss, M.: Use of Binary Ethanol/Water Model Solutions to Mimic the Interaction Between a Plastic

Material and Pharmaceutical Formulations, 1049
Jeong, P.
—; Dimonie, V. L.; Daniels, E. S.; El-Aasser, M. S.: Direct Miniemulsification of Kraton Rubber/Styrene Solution. I. Effect of Manton–Gaulin Homogenizer, Sonifer, and Membrane Filtration, 451
Jeong, Y.-I.
—; Shim, Y.-H.; Choi, C.; Jang, M.-K.; Shin, G. M.; Nah, J.-W.: Surfactant-Free Nanoparticles of Poly(DL-Lactide-*co*-Glycolide) Prepared with Poly(L-Lactide)/Poly(Ethylene Glycol), 1116
Jeoung, H. G. See Lee, S. J., 3672
Jhon, M. S. See Kim, J. W., 821
Ji, S.-J. See Lu, J.-M., 2611
Jia, Q.-X. See Wu, Y.-P., 19
Jia, X. See Luo, Y., 1515
Jiang, C. See Zhang, G., 3155
Jiang, L.
—; Lam, Y. C.; Yue, C. Y.; Tam, K. C.; Li, L.; Hu, X.: Energy Model of the Interfacial Slip of Polymer Blends Under Steady Shear, 1464
—; See Yuan, J.-J., 1017
Jiang, T.-Y.
—; Zhang, B.-Y.; Tian, M.; Wang, Y.: Synthesis and Characterization of Chiral Side-Chain Liquid-Crystalline Polymer Containing Menthol Ester, 2845
Jiang, W. See Yuan, Q., 2102
Jiang, X. See Zhang, D., 3587
Jiang, X.-Q. See Zhang, S.-Y., 2618
Jiang, Z. See Hu, W., 1347; Yuan, Q., 2102
Jiao, S. See He, A., 1800
Jin, G. See Zhao, S., 2311
Jing, X. See Zeng, J., 1085
Jing, Y. See Okubo, M., 706
Joekes, I. See Martins, M. A., 2507
Jog, J. P. See Kumar, S., 1186; Priya, L., 2036
Joo, W.-J. See Chun, H., 368
Joseph, R.
—; Alex, R.; Vinod, V. S.; Premalatha, C. K.; Kuriakose, B.: Studies on Epoxidized Rubber Seed Oil as Plasticizer for Acrylonitrile Butadiene Rubber, 668
Joseph, S.
—; Rutkowska, M.; Jastrzębska, M.; Janik, H.; Haponiuk, J. T.; Thomas, S.: Erratum to "Polystyrene/Polybutadiene Blends: An Analysis of the Phase-Inversion Region and Cophase Continuity and a Comparison with Theoretical Predictions", 3700
—; Rutkowska, M.; Jastrzębska, M.; Janik, H.; Haponiuk, J. T.; Thomas, S.: Polystyrene/Polybutadiene Blends: An Analysis of the Phase-Inversion Region and Cophase Continuity and a Comparison with Theoretical Predictions, 1007
Joy, P. A. See Soloman, M. A., 769
Jung, B. See Lee, Y., 2058
Jung, S. T. See Hwang, K. T., 3476
Jung, W.-C. See Kim, J.-Y., 3130
Jurkowski, B. See Krivoguz, Y. M., 828

Kaci, M. See Djidjelli, H., 3447
Kader, M. A.
—; Bhowmick, A. K.: Acrylic Rubber–Fluorocarbon Rubber Miscible Blends: Effect of Curatives and Fillers on Cure, Mechanical, Aging, and Swelling Properties, 1442
Kaesaman, A. See Nakason, C., 1453
Kalaprasad, G.
—; Mathew, G.; Pavithran, C.; Thomas, S.: Melt Rheological Behavior of Intimately Mixed Short Sisal–Glass Hybrid Fiber-Reinforced Low-Density Polyethylene Composites. I. Untreated Fibers, 432
—; Thomas, S.: Melt Rheological Behavior of Intimately Mixed Short Sisal–Glass Hybrid Fiber-Reinforced Low-Density Polyethylene Composites. II. Chemical Modification, 443
Kalfoglou, N. K. See Archondouli, P. S., 287
Kalinina, I. A.
—; Belov, G. P.; Gumargalieva, K. Z.; Shlyapnikov, Y. A.; Zaikov, G. E.: Inhibition of Polyketone Oxidation, 1182
Kallitsis, J. K. See Archondouli, P. S., 287
Kang, B. I. See Cho, K., 3115
Kang, C.-J. See Kim, S.-J., 1305
Kang, H. S. See Nam, Y. S., 1631
Kang, P. H. See Park, J. S., 2316
Kao, K. C. See Li, Z., 3416
Kar, S. See Das, B., 930
Karger-Kocsis, J. See Fuhrmann, I., 1622
Kariduraganavar, M. Y. See Kulkarni, S. B., 3201
Karlson, S. See Espert, A., 2353
Karpacheva, G. P. See Orlov, A. V., 1379
Kartalis, C. N.
—; Papaspyrides, C. D.; Pfaendner, R.: Closed-Loop Recycling of Postused PP-Filled Garden Chairs Using the Restabilization Technique. III. Influence of Artificial Weathering, 1311
Kashiwagi, T.
—; Morgan, A. B.; Antonucci, J. M.; VanLandingham, M. R.; Harris, R. H., Jr.; Awad, W. H.; Shields, J. R.: Thermal and Flammability Properties of a Silica–Poly(methylmethacrylate) Nanocomposite, 2072
Katada, A.
—; Konishi, Y.; Isogai, T.; Tominaga, Y.; Asai, S.; Sumita, M.: Dynamic Percolation Phenomenon of Poly(methyl methacrylate)/Surface Fluorinated Carbon Black Composite, 1151
Kawano, Y. See Yoshida, M., 1966
Kawase, Y. See Yokoyama, C., 3167
Kazmierczak, T. See Douillard, A., 2224
Ke, T.
—; Sun, X.: Melting Behavior and Crystallization Kinetics of Starch and Poly(lactic acid) Composites, 1203
—; Xiuzhi Sun, S.; Seib, P.: Blending of Poly(lactic acid) and Starches Containing Varying Amylose Content, 3639
Keleş, H.
—; Saçak, M.: Graft Copolymerization of Methyl Methacrylate onto Gelatin Using $KMnO_4$-H_2SO_4 Redox System, 2836
Kelnar, I.
—; Kotek, J.; Munteanu, B. S.; Fortelný, I.: Influence of Properties and Morphology of Elastomeric Phase on the Behavior of Ternary Reactive Blends of Polyamide 6/Rigid Polymer/Elastomer, 3647
Kenny, J. M. See Alvarez, V. A., 1071; Valentini, L., 2657
Kerboua, R.
—; Adhesion Between Addition-Curable Silicone Elastomer and Nylon Using Diallylbisphenol A as Adhesion Promoter, 3496
Keshavarz, S. See Mehdipour-Ataei, S., 2567
Khaldi, S. See Boudenne, A., 481
Khan, A. H. See Khan, M. A., 655

Khan, M. A.
—; Das, L. R.; Khan, A. H.; Ahmed, F.; Badier Rahman, S. M.: Study on the Mechanical and Dielectric Properties of Photocured Jute Fabrics with 2-Hydroxyethyl Methacrylate, 655
—; See Beg, M. D. H., 3826; Hassan, M. M., 3530
Kharat, R. B. See Gurnule, W. B., 787
Kharitonova, E. Y. See Monakov, Y. B., 596
Khayankarn, O.
—; Magaraphan, R.; Schwank, J. W.: Adhesion and Permeability of Polyimide–Clay Nanocomposite Films for Protective Coatings, 2875
Khayet, M.
—; Suk, D. E.; Narbaitz, R. M.; Santerre, J. P.; Matsuura, T.: Study on Surface Modification by Surface-Modifying Macromolecules and Its Applications in Membrane-Separation Processes, 2902
Khizhnyak, S. See Pakhomov, P. M., 373
Khorasani, M. T. See Ajili, S. H., 2496
Khoylou, F. See Hassanpour, S., 2346
Kiatkamjonwong, S. See Nakason, C., 1453
—; Pomasanam, P.: Synthesis and Characterization of Styrenic-Based Polymerized Toner and Its Composite for Electrophotographic Printing, 238
—; See Chansook, N., 1952; Lewis, C., 837
Kiekens, P. See De Clerck, K., 3840
Kihara, H. See Kishi, R., 75
Kii, T. See Okuhira, H., 91
Kijowska, D. See Kucharski, M., 104
Kim, B.
—; La Flamme, K.; Peppas, N. A.: Dynamic Swelling Behavior of pH-Sensitive Anionic Hydrogels Used for Protein Delivery, 1606
Kim, C. K. See Kim, J. H., 2649
Kim, D.-J. See Lee, Y.-K., 2589
Kim, E. Y. See Park, D.-H., 3272
Kim, H. C. See Kim, S. J., 890
Kim, H.-D. See Kwak, Y.-S., 123
Kim, H.-J. See Lee, Y.-K., 2589
Kim, H. S.
—; Mitchell, C.: Impact Performance of Laminates Made of Syntactic Foam and Glass Fiber Reinforced Epoxy as Protective Materials, 2306
Kim, H.-Y. See Gong, J., 1573
Kim, I.-C.
—; Lee, K.-H.: Effect of Various Additives on Pore Size of Polysulfone Membrane by Phase-Inversion Process, 2562
—; Lee, K.-H.; Tak, T.-M.: Synthesis and Asymmetric Nanofiltration Membrane Performance of Heterogeneously Sulfonated Aromatic Polyimides, 2483
Kim, I. Y. See Kim, S. J., 258
Kim, J.
—; Ryba, E. R.; Bai, J.: Effect of the Polyurethane Crystalline Interphase Formed at an Al Surface on Water-Vapor Absorption, 1417
Kim, J. H.
—; Jegal, J.; Kim, J. H.; Lee, K.-H.; Lee, Y.: Enantioselective Permeation of α-Amino Acid Optical Isomers through Crosslinked Sodium Alginate Membranes, 3046
—; Kim, C. K.: Changes in the Interfacial Properties of PC/SAN Blends with Compatibilizer, 2649
—; See Kim, J. H., 3046; Lee, J. S., 2391; Yoon, W. S., 1890
Kim, J.-S. See Song, J.-M., 3100
Kim, J.-T.
—; Lee, D.-Y.; Oh, T.-S.; Lee, D.-H.: Characteristics of Nitrile–Butadiene Rubber Layered Silicate Nanocomposites with Silane Coupling Agent, 2633
—; See Hwang, K. T., 3476
Kim, J. W.
—; Jang, L. W.; Choi, H. J.; Jhon, M. S.: Physical and Electroresponsive Characteristics of the Intercalated Styrene-Acrylonitrile Copolymer/Clay Nanocomposite under Applied Electric Fields, 821
Kim, J.-Y.
—; Jung, W.-C.; Park, K.-Y.; Suh, K.-D.: Synthesis of Na^+-Montmorillonite/Amphiphilic Polyurethane Nanocomposite via Bulk and Coalescence Emulsion Polymerization, 3130
Kim, K. J. See Nam, Y. S., 1631
Kim, M. G.
—; No, B. Y.; Lee, S. M.; Nieh, W. L.: Examination of Selected Synthesis and Room-Temperature Storage Parameters for Wood Adhesive-Type Urea–Formaldehyde Resins by ^{13}C-NMR Spectroscopy. V, 1896
Kim, N. See Chun, H., 368
Kim, N. G. See Kim, S. J., 24
Kim, N.-J. See Chun, H., 368
Kim, O. See Lee, C.-W., 1062
Kim, S. B. See Park, D.-H., 3272
Kim, S. I. See Kim, S. J., 24, 258, 890, 2041, 2301
Kim, S.-J.
—; Kang, C.-J.; Chowdhury, S. R.; Cho, W.-J.; Ha, C.-S.: Reactive Compatibilization of the Poly(butylene terephtalate)–EVA Blend by Maleic Anhydride. II. Correlations Among Gel Contents, Grafting Yields, and Mechanical Properties, 1305
Kim, S. J.
—; Lee, C. K.; Kim, I. Y.; An, K. H.; Kim, S. I.: Preparation and Characterizations of Interpenetrating Polymer Network Hydrogels of Poly(ethylene oxide) and Poly(methyl methacrylate), 258
—; Lee, K. J.; Kim, S. I.; Lee, Y. M.; Chung, T. D.; Lee, S. H.: Electrochemical Behavior of an Interpenetrating Polymer Network Hydrogel Composed of Poly(propylene glycol) and Poly(acrylic acid), 2301
—; Park, S. J.; An, K. H.; Kim, N. G.; Kim, S. I.: Water Behavior of Poly(vinyl alcohol)/Poly(vinylpyrrolidone) Interpenetrating Polymer Network Hydrogels, 24
—; Park, S. J.; Chung, T. D.; An, K. H.; Kim, S. I.: Properties of Interpenetrating Polymer Network Hydrogels Composed of Poly(vinyl alcohol) and Poly(N-isopropylacrylamide), 2041
—; Park, S. J.; Lee, S. M.; Lee, Y. M.; Kim, H. C.; Kim, S. I.: Electroactive Characteristics of Interpenetrating Polymer Network Hydrogels Composed of Poly(vinyl alcohol) and Poly(*N*-isopropylacrylamide), 890
Kim, S. S. See Yoon, W. S., 1890
Kim, S. Y. See Cho, K. S., 2400
Kim, T. Y.
—; Jabarin, S. A.: Solid-State Polymerization of Poly(ethylene terephthalate). III. Thermal Stabilities in Terms of the Vinyl Ester End Group and Acetaldehyde, 228
—; Jabarin, S. A.: Solid-State Polymerization of Poly(ethylene terephthalate). II. Modeling

Study of the Reaction Kinetics and Properties, 213
—; Lofgren, E. A.; Jabarin, S. A.: Solid-State Polymerization of Poly(ethylene terephthalate). I. Experimental Study of the Reaction Kinetics and Properties, 197
Kim, Y. See Song, J.-M., 3100
Kim, Y. J. See Park, D.-H., 3272
Kim, Y. S.
—; Park, J. H.; Bae, Y. H.: Degradation and Stabilization of Cosmetic Polyetherurethane in Alcoholic Solution, 2270
Kimura, H. See Yamane, Y., 413
Kinoshita, T. See Sivakumar, M., 2882
Kiran, E. See Zhang, W., 2201
Kiseleva, S. G. See Orlov, A. V., 1379
Kishi, R.
—; Miura, T.; Kihara, H.; Asano, T.; Shibata, M.; Yosomiya, R.: Fast pH-Thermo-Responsive Copolymer Hydrogels with Micro-Porous Structures, 75
Kızılcan, N.
—; Ustamehmetoğlu, B.; Öz, N.; Saraç, S.; Akar, A.: Soluble and Conductive Polypyrrole Copolymers Containing Silicone Tegomers, 2896
Koerner, H. See Nguyen, L. H., 2385
Kofinas, P. See Mulligan, R. F., 1058
Kohjiya, S. See Saikrasun, S., 2676
Kohl, P. A. See Chiniwalla, P., 568
Koizumi, T. See Fujimura, T., 1412
Kojima, T. See Fujimura, T., 1412; Shigetomi, Y., 130
Kolesnikova, N. N. See Shlyapnikov, Y. A., 2597
Kondo, T. See Irwan, G. S., 992
Kong, F. See Zhang, S.-Y., 2618
Konishi, Y. See Katada, A., 1151
Koo, C. M. See Wang, K. H., 2131
Kopolow, S. L. See Hood, D. K., 734
Kotek, J. See Kelnar, I., 3647
Kou, H.
—; Asif, A.; Shi, W.: Photopolymerization Kinetics of Hyperbranched Acrylated Aromatic Polyester, 1500
Kou, X. See Zhu, C., 848
Koutsandreas, A. See Van Dyke, J. D., 980
Kozlov, G. V.
—; Batyrova, H. M.; Zaikov, G. E.: The Scaling Analysis of Thermooxidative Degradation of Poly(Arylatearylene Sulfonoxide), 1760
—; Batyrova, H. M.; Zaikov, G. E.: The Structural Treatment of a Number of Effective Centers of Polymeric Chains in the Process of the Thermooxidative Degradation, 1764
—; Malkanduev, Y. A.; Zaikov, G. E.: Fractal Analysis of Polymer Molecular Weight Distribution: Dynamic Scaling, 2382
—; Shustov, G. B.; Zaikov, G. E.: Fractal Analysis of Thermooxidative Degradation Process of Polymeric Melts, 2378
Krishnamurthy, V. N. See Bandgar, B. M., 1331
Krivoguz, Y. M.
—; Pesetskii, S. S.; Jurkowski, B.: Grafting of Itaconic Acid onto LDPE by the Reactive Extrusion: Effect of Neutralizing Agents, 828
Kubota, H. See Irwan, G. S., 992
Kucharski, M.
—; Duliban, J.; Chmiel-Szukiewicz, E.: Novel Amine Preaccelerators for Polyester Resins, 2973
—; Kijowska, D.: Synthesis of Polytherols from Melanine and Propylene Carbonate. II, 104
Kudaibergenov, S. E. See Makysh, G. S., 2977
Kudryavtsev, V. V. See Polotskaya, G. A., 2361
Kulkarni, S. B.
—; Kariduraganavar, M. Y.; Aminabhavi, T. M.: Sorption, Diffusion, and Permeation of Esters, Aldehydes, Ketones, and Aromatic Liquids into Tetrafluoroethylene/Propylene at 30, 40, and 50°C, 3201
Kumar, A. See Sinha, S., 1991
Kumar, A. A.
—; Dinakaran, K.; Alagar, M.: Preparation and Characterization of Siliconized Epoxy-1,2-bis(maleimido)ethane Intercrosslinked Matrix Materials, 3808
Kumar, S.
—; Jog, J. P.; Natarajan, U.: Preparation and Characterization of Poly(methyl methacrylate)–Clay Nanocomposites via Melt Intercalation: The Effect of Organoclay on the Structure and Thermal Properties, 1186
Kumar, V. See Sharma, B. R., 3216
Kumbar, S. G.
—; Aminabhavi, T. M.: Synthesis and Characterization of Modified Chitosan Microspheres: Effect of the Grafting Ratio on the Controlled Release of Nifedipine through Microspheres, 2940
Kume, T. See Xu, L., 2123
Kuo, S. M.
—; Chang, S. J.; Lin, L.-C.; Chen, C. J.: Evaluating Chitosan/β-Tricalcium Phosphate/Poly(methyl methacrylate) Cement Composites as Bone-Repairing Materials, 3897
Kuptsov, S. A. See Baranov, A. O., 249
Kuriakose, B. See Joseph, R., 668
Kurian, P. See Soloman, M. A., 769
Kurihara, S.
—; Yoneyama, D.; Ogata, T.; Nonaka, T.: Preparation of Liquid Crystalline Networks Doped with Azobenzene Molecules and Their Photochemical Grating Formation Behavior, 943
Kurkuri, M. D.
—; Aminabhavi, T. M.: Pervaporation Separation of Water and Dioxane Mixtures with Sodium Alginate-*g*-Polyacrylamide Copolymeric Membranes, 300
Kuroda, S.-I. See Irwan, G. S., 992
Kuroki, S. See Yamane, Y., 413
Küsefoğlu, S. H. See Esen, H., 3882
Kuznetsov, Y. P. See Polotskaya, G. A., 2361
Kwak, G.-H.
—; Tominaga, Y.; Asai, S.; Sumita, M.: Effect of Reaction Kinetics of Polymer Electrolyte on the Ion-Conductive Behavior for Poly(oligo oxyethylene methacrylate)–LiTFSI Mixtures, 2149
Kwak, Y.-S.
—; Park, S.-W.; Lee, Y.-H.; Kim, H.-D.: Preparation and Properties of Waterborne Polyurethanes for Water-Vapor-Permeable Coating Materials, 123
Kwak, Y. T. See Hood, D. K., 734

La Carrubba, V.
—; Gabriëlse, W.; van Gurp, M.; Piccarolo, S.; Brucato, V.: Indentation Test as a Tool for Monitoring the Solidification Process during Injection Molding, 2
La Flamme, K. See Kim, B., 1606
Lam, Y. C. See Jiang, L., 1464
Langevin, D. See Leblanc, N., 1838
Lankford, A. R. See Chiou, B.-S., 1032
Lawal, A. See Ramathal, H., 2457

Lawrey, B. D. See O'Sickey, M. J., 3520
Lebedeva, T. L. See Orlov, A. V., 1379
Leblanc, J. L.
—; Fourier Transform Rheometry on Gum Elastomers, 1101
Leblanc, N.
—; Le Cerf, D.; Chappey, C.; Langevin, D.; Métayer, M.; Muller, G.: Polyimide Asymmetric Membranes: Elaboration, Morphology, and Gas Permeation Performance, 1838
Le Cerf, D. See Leblanc, N., 1838
Leclercq, D. See Aymonier, A., 2749
Lederer, K. See Nguyen, L. H., 2385
Lee, C. K. See Kim, S. J., 258
Lee, C.-W.
—; Kim, O.; Gong, M.-S.: Humidity-Sensitive Properties of New Polyelectrolytes Based on the Copolymers Containing Phosphonium Salt and Phosphine Function, 1062
Lee, D.-H. See Kim, J.-T., 2633
Lee, D.-R. See Gong, J., 1573; Park, S., 3601
Lee, D.-Y. See Kim, J.-T., 2633
Lee, F.-H. See Huang, Y.-J., 3336, 3347
Lee, H.-L. See Lu, K.-T., 2157
Lee, J. See Yoon, W. S., 1890
Lee, J. S.
—; Lyoo, W. S.; Noh, S. K.; Kim, J. H.; Lee, J. W.; Ghim, H. D.; Lee, J. Y.: Preparation of High-Molecular-Weight Poly(*N*-vinylcarbazole) by the Photoinduced Low-Temperature Solution Polymerization of *N*-Vinylcarbazole in 1,1,2,2-Tetrachloroethane, 2391
Lee, J. W. See Lee, J. S., 2391
Lee, J. Y. See Lee, J. S., 2391; Liu, Y., 2815
Lee, K.-H. See Kim, I.-C., 2483, 2562; Kim, J. H., 3046
Lee, K. J. See Kim, S. J., 2301
Lee, S. H. See Kim, S. J., 2301
Lee, S. J.
—; Jeoung, H. G.; Ahn, K. H.: Influence of Solvent Contents on the Rubber-Phase Particle Size Distribution of High-Impact Polystyrene, 3672
Lee, S. M. See Kim, M. G., 1896; Kim, S. J., 890
Lee, S. T. See Wang, S. J., 1645
Lee, S. Y. See Seo, J., 3442
Lee, W.-F.
—; Chen, Y.-M.: Poly(sulfobetaine)s and Corresponding Cationic Polymers. IX. Synthesis and Aqueous Solution Properties of Zwitterionic Poly(sulfobetaine) Derived from a Styrene–*N*,*N*-Dimethylaminopropyl Maleamidic Acid Copolymer, 1884
—; Chen, Y.-M.: Poly(sulfobetaine)s and Corresponding Cationic Polymers. XI. Synthesis and Aqueous Solution Properties of a Cationic Poly(methyl iodide quaternized ethyl vinyl ether/*N*,*N*-dimethylaminopropyl maleamidic acid) Copolymer, 2261
—; Fu, Y.-T.: Effect of Montmorillonite on the Swelling Behavior and Drug-Release Behavior of Nanocomposite Hydrogels, 3652
Lee, Y.
—; Rho, J.; Jung, B.: Preparation of Magnetic Ion-Exchange Resins by the Suspension Polymerization of Styrene with Magnetite, 2058
—; See Kim, J. H., 3046; Song, J.-M., 3100
Lee, Y.-G. See Ryu, K. S., 1300
Lee, Y.-H. See Kwak, Y.-S., 123
Lee, Y.-K.
—; Kim, D.-J.; Kim, H.-J.; Hwang, T.-S.; Rafailovich, M.; Sokolov, J.: Activation Energy and Curing Behavior of Resol- and Novolac-Type Phenolic Resins by Differential Scanning Calorimetry and Thermogravimetric Analysis, 2589
Lee, Y. M. See Kim, S. J., 890, 2301
Leewajanakul, P.
—; Pattanaolarn, R.; Ellis, J. W.; Nithitanakul, M.; Grady, B. P.: Use of Zinc-Neutralized Ethylene/Methacrylic Acid Copolymer Ionomers as Blend Compatibilizers for Nylon 6 and Low-Density Polyethylene, 620
Lei, M. See Yu, Z.-Z., 797
Leman, B. See Choisnard, L., 535
Lenzi, M. K.
—; Silva, F. M.; Lima, E. L.; Pinto, J. C.: Semibatch Styrene Suspension Polymerization Processes, 3021
Lewis, C.
—; Bunyung, S.; Kiatkamjornwong, S.: Rheological Properties and Compatibility of NR/EPDM and NR/Brominated EPDM Blends, 837
Li, C.
—; Zhang, Y.; Zhang, Y.: Boiling Water Aging of Polycarbonate and Polycarbonate/Acrylonitrile–Butadiene–Styrene Resin and Polycarbonate/Low-Density Polyester Blends, 589
Li, C.-C. See Wang, H., 2137
Li, G. See Cai, J., 612
Li, H. See Liu, G., 2628
Li, H.-B.
—; Chen, Y.-Y.; Liu, S.-L.: Synthesis, Characterization, and Metal Ions Adsorption Properties of Chitosan–Calixarenes (I), 1139
Li, J.
—; Zhou, C.; Wang, G.; Zhao, D.: Study on Kinetics of Polymer Melt Intercalation by a Rheological Approach, 318
—; Zhou, C.; Wang, G.; Zhao, D.: Study on Rheological Behavior of Polypropylene/Clay Nanocomposites, 3609
—; See Zheng, S., 505
Li, J.-Y.
—; Sun, Y.-M.; Zeng, H.; Xue, W.-X.; Xiao, Y.; Yu, Q.: Preparation of Photoluminescence Films Containing Rare Earth Complexes by UV Photograft Polymerization, 662
Li, K. See Zhang, C., 1078
Li, L. See Jiang, L., 1464; Li, Z., 855
Li, M.
—; Feng, S.; Xie, S.: Synthesis and Characterization of σ–π Conjugated Poly(methylphenyl-diethynylenesilane-*co*-methyltetraphenylphenylsilylene), 806
Li, R. K. Y. See Yuan, Q., 2102
Li, R.-X. See Cai, B., 3210
Li, S.-D.
—; He, J.-D.; Yu, P. H.; Cheung, M. K.: Thermal Degradation of Poly(3-hydroxybutyrate) and Poly(3-hydroxybutyrate-*co*-3-hydroxyvalerate) as Studied by TG, TG–FTIR, and Py–GC/MS, 1530
Li, X.
—; Liu, R.; Zhong, L.; Gu, L.: Antielectrostatic Poly(ether ester) Block Copolymer of Poly(ethylene terephthalate-*co*-isophthalate)–Poly(ethylene glycol), 1696
—; See Zhang, J., 2791
Li, X.-D. See Gong, J., 1573

Li, X. H.
—; Meng, Y. Z.; Zhu, Q.; Xu, Y.; Tjong, S. C.: Melt Processable and Biodegradable Aliphatic Polycarbonate Derived from Carbon Dioxide and Propylene Oxide, 3301
Li, Y. See Gao, J., 2431; Luo, Y., 1515; Shi, C., 2624; Wang, Z., 2780
Li, Z.
—; Qin, J.: A New Postfunctional Method to Synthesize C_{60}-Containing Polysiloxanes, 2068
—; Qin, J.; Tang, H.; Liu, Y.: Postfunctionalization Strategy for Developing Polyphosphazene with a High Loading of Highly Polar Molecules in the Side Arms, 2989
—; Yang, J.; Yu, Y.; Xu, X.; Meng, X.; Yu, W.; Xu, X.; Li, L.; Yue, X.: Morphological Characterization of the Core–Shell Latex Particle by Transmission Electron Microscopy and Image Analysis, 855
—; Yin, Y.; Wang, X.; Tu, D. M.; Kao, K. C.: Formation and Inhibition of Free Radicals in Electrically Stressed and Aged Insulating Polymers, 3416
—; See Gao, J., 2431; Yang, D., 3769
Li, Z.-M. See Yang, W., 686
Li, Z.-Y. See Wang, H., 2137
Liang, G. See Gu, A., 3594
Liang, Q. See Zeng, J., 1085
Lim, S. H. See Anderson, K. S., 3757
Lim, S. K. See Inagaki, N., 96
Lima, E. L. See Lenzi, M. K., 3021
Limcharoen, S. See Sirisinha, C., 1156
Lin, L.-C. See Kuo, S. M., 3897
Lin, L.-E. See Wang, H.-H., 1397
Lin, S. See Chen, R., 1596
Lin, X. D.
—; Cheung, W. L.: Study of Poly(ethylene terephthalate)/Polypropylene Microfibrillar Composites. I. Morphological Development in Melt Extrusion, 1743
Lin, Y.-T. See Yeh, J.-T., 3738
Liou, S.-J. See Yeh, J.-M., 3632
Liu, B. See Hu, W., 1347
Liu, C. See Yao, F., 3850
Liu, C.-T. See Lu, K.-T., 2157
Liu, G.
—; Li, H.: Extrusion of Ultrahigh Molecular Weight Polyethylene Under Ultrasonic Vibration Field, 2628
Liu, L.-M. See Hu, J.-S., 3944
Liu, M. See Zhang, C., 379
Liu, N.
—; Zong, R.; Shu, L.; Zhou, J.; Fan, W.: Kinetic Compensation Effect in Thermal Decomposition of Cellulosic Materials in Air Atmosphere, 134
Liu, R. See Li, X., 1696
Liu, S. See Zhang, C., 379
Liu, S.-L. See Li, H.-B., 1139
Liu, X.
—; Huang, H.; Zhang, Y.; Zhang, Y.: Polyamide-Reinforced Ethylene–Propylene–Diene Rubber Compatibilized with Chlorinated Polyethylene, 1727
—; See Tian, C., 3137; Zhang, Y., 1702
Liu, X.-H. See Xie, H.-Q., 2982
Liu, Y.
—; Huang, A.; Chen, J.; Chen, L.; Hua, J.: Hydrogenation Catalysis of Nanosized Palladium Supported by Polymer/Silica Disupporter. II. Effects of the Characteristics of the Catalyst on Hydrogenation, 3661
—; Lee, J. Y.; Hong, L.: Morphology, Crystallinity, and Electrochemical Properties of In-Situ Formed Poly(ethylene oxide)/TiO_2 Nanocomposite Polymer Electrolytes, 2815
—; Liu, Z.; Zhang, Y.; Deng, K.: Graft Copolymerization of Methyl Acrylate onto Chitosan Initiated by Potassium Diperiodatocuprate (III), 2283
—; See Li, Z., 2989; Wang, X., 2369; Wang, Y.-Z., 882
Liu, Y.-L.
—; Hsu, C.-Y.; Wu, C.-S.: Polyimides Possessing Bulky Phosphorus Groups: Synthesis and Characterization, 791
Liu, Y.-Y.
—; Fan, X.-D.: Preparation and Characterization of a Novel Responsive Hydrogel with a β-Cyclodextrin-Based Macromonomer, 361
Liu, Z. See Liu, Y., 2283
Lo Faro, C. See Blanco, I., 268
Lofgren, E. A. See Kim, T. Y., 197
López Lago, J. See Dopico García, M. S., 497
López-Manchado, M. A.
—; Arroyo, M.; Herrero, B.; Biagiotti, J.: Vulcanization Kinetics of Natural Rubber–Organoclay Nanocomposites, 1
—; Yazdani-Pedram, M.; Retuert, J.; Quijada, R.: Effect of Monomethyl Itaconate-Grafted HDPE and EPR on the Compatibility and Properties of HDPE–EPR Blends, 2239
—; See Valentini, L., 2657
Lovisi, H.
—; Silva, A. L. N.; de Santa Maria, L. C.; Rocha, M. C. G.; Bretas, R. E. S.; Farah, M.; Coutinho, F. M. B.: Mechanical, Rheological, Thermal, and Morphological Properties of Blends Based on Poly(propylene)/Poly(propylene-co-1-octene)/Poly(ethylene-co-1-octene), 1690
Lozano, K. See Cortés, P., 2527; Shofner, M. L., 3081
Lü, C.
—; Cui, Z.; Wang, Y.; Yang, B.; Shen, J.: Studies on Syntheses and Properties of Episulfide-Type Optical Resins with High Refractive Index, 2426
Lu, H.
—; Nutt, S.: Cold-Crystallization Kinetics of Syndiotactic Polystyrene, 3464
Lu, J.
—; Nguyen, Q.; Zhou, J.; Ping, Z.-H.: Poly(vinyl alcohol)/Poly(vinyl pyrrolidone) Interpenetrating Polymer Network: Synthesis and Pervaporation Properties, 2808
—; See Zhu, X., 28
Lu, J.-M.
—; Ji, S.-J.; Chen, N.-Y.; Sun, Z.-R.; Zhu, X.-L.; Shi, W.-P.; Wang, Z.-G.: Third-Order Nonlinear Optical Properties of Polyureas and Polyimide Synthesized by Microwave Irradiation, 2611
Lu, K.-T.
—; Liu, C.-T.; Lee, H.-L.: Effect of Nitrocellulose on the Properties of PU–NC Semi-IPN Wood Coatings, 2157
Lu, R.-W. See Xu, S.-M., 263
Lu, S.
—; Cheng, G.; Pang, X.: Preparation of Molecularly Imprinted Fe_3O_4/P(St-DVB) Composite Beads with Magnetic Susceptibility and their Characteristics of Molecular Recognition for Amino Acid, 3790
Lu, Y. See Xiao, C., 3500; Yang, D., 3769
Luo, Y.
—; Li, Y.; Jia, X.; Yang, H.; Yang, L.; Zhou, Q.; Wei, Y.: Fabrication of Ag Nanoparticle–Encapsulating Multilayer Films Based on PAMAM Dendrimers with

Covalent Interlayer Linkages, 1515
Luo, Y. See Ren, T., 340
Luo, Z. X. See Wang, Z., 2780
Luyt, A. S. See Mtshali, T. N., 2446
Lyoo, W. S. See Lee, J. S., 2391; Yoon, W. S., 1890

Ma, G.-H.
—; An, C.-J.; Yuyama, H.; Su, Z.-G.; Omi, S.: Synthesis and Characterization of Polyurethaneurea–Vinyl Polymer (PUU–VP) Uniform Hybrid Microspheres by SPG Emulsification Technique and Subsequent Suspension Polymerization, 163
Ma, M.
—; Shi, G.; Xi, C.: Polymer Precursor to Diamondlike Carbon Prepared by the Polymerization of α,α,α-Trichlorotoluene and Acetonitrile, 16
Ma, Q. See Zhang, J., 1548
Ma, R. See Yuan, J.-J., 1017
Ma, S. See Wang, T., 2116
Ma, T.
—; Bhushan, B.: Dynamic Mechanical and Thermal Analyses of Magnetic Particle and Metal Evaporated Tapes and Their Individual Layers, 548
—; Bhushan, B.: Mechanical, Hygroscopic, and Thermal Properties of Ultrathin Polymeric Substrates for Magnetic Tapes, 3052
Ma, Z. See Tian, C., 3137
Mabrouk, A. See Zaidi, B., 3091
Madan, P. See Raj, B., 3874
Madras, G. See Chattopadhyay, S., 2579
Maffezzoli, A. See Greco, A., 289
Magaraphan, R. See Khayankarn, O., 2875
Magusin, P. See Picchioni, F., 3279
Maki, T. See Matsuyama, H., 3951
Makysh, G. S.
—; Bimendina, L. A.; Murzagulova, K. B.; Kudaibergenov, S. E.: Interaction of a New Anesthetic Drug Richlocain with Linear and Weakly Crosslinked Poly-*N*-vinylpyrrolidone, 2977
Malkanduev, Y. A. See Kozlov, G. V., 2382
Mallakpour, S.
—; Hajipour, A.; Shahmohammadi, M. H.: Direct Polycondensation of *N*-Trimellitylimido-L-isoleucine with Aromatic Diamines, 116
—; Hajipour, A.-R.; Vahabi, R.: Synthesis of Novel Polyimides Containing Side-Chain Azo-2-Naphthol Moieties, 1942
—; Raheno, H.: Synthesis and Characterization of New Polyureas Based on 4-(4′-Aminophenyl)urazole and Various Diisocyanates, 2692
Malucelli, G. See Sangermano, M., 1524
Manisankar, P. See Chidambaram, D., 1555
Manley, R. S. J. See Feldman, D., 2000
Marchildon, E. K. See Yao, K. Z., 3701
Marcinčin, A. See Pavliková, S., 604
Mardriyati, E. See Yoshida, M., 1966
Maricheva, T. A. See Polotskaya, G. A., 2361
Marroyo, L. M.
—; Ramis, X.; Salla, J. M.: Behavior of Nonazeotropic Compositions of a Styrene–Unsaturated Polyester Resin Analyzed Through FTIR Spectroscopy and Dynamic Mechanical Thermal Analysis, 3618
Martinelli, A. See Abbati, G., 2516
Martinez-Vega, J. J. See Djidjelli, H., 3447
Martins, G. A. V. See Rabelo, D., 3905
Martins, M. A.
—; Joekes, I.: Tire Rubber–Sisal Composites: Effect of Mercerization and Acetylation on Reinforcement, 2507
Martins, R. R. See Fernandes, A. L. P., 191
Masaki, K.
—; Ohkawara, S.-I.; Hirano, T.; Seno, M.; Sato, T.: Fourier Transform Near-Infrared and Electron Spin Resonance Studies on the Crosslinking Reaction of Liquid Carboxylated Poly(acrylonitrile-*co*-butadiene) Rubber with Dicumyl Peroxide in Dioxane, 2095
Masoud, R. A. See Abd El-Ghaffar, M. A., 1478
Mateo, J. L.
—; Calvo, M.; Bosch, P.: Physical and Mechanical Properties of Photopolymerized SBS–Methacrylic Monomer Systems, 2857
Mateva, R. See Petrov, P., 711
Mathew, G. See Kalaprasad, G., 432
Matsui, M. See Yamane, Y., 413
Matsuura, T. See Khayet, M., 2902
Matsuyama, H.
—; Ohga, K.; Maki, T.; Tearamoto, M.; Nakatsuka, S.: Porous Cellulose Acetate Membrane Prepared by Thermally Induced Phase Separation, 3951
—; See Matsuyama, K., 742
Matsuyama, K.
—; Mishima, K.; Hayashi, K.-I.; Ishikawa, H.; Matsuyama, H.; Harada, T.: Formation of Microcapsules of Medicines by the Rapid Expansion of a Supercritical Solution with a Nonsolvent, 742
Mattoso, L. H. C. See Ferreira, F. C., 2957
Mazroua, A. M.
—; Youssif, M. A.: Study on 1-4 Cycloaddition Reaction. I. Synthesis and Optimization of New Adduct Using Diels–Alder Reaction, 2331
McAuley, K. B. See Yao, K. Z., 3701
McDougall, W. C. See Chiniwalla, P., 568
McKittrick, J. See Hood, D. K., 734
McManus, N. T. See Charmondusit, K., 142
Medintseva, T. I. See Baranov, A. O., 249
Mehdipour-Ataei, S.
—; Keshavarz, S.: Use of New Diimide-Dinaphthols in Preparation of Novel Thermally Stable Poly(ester-imide)s, 2567
Meister, J. J. See Adcock, T., 1266
Melo, B. N.
—; Pasa, V. M. D.: Composites Based on Eucalyptus Tar Pitch/Castor Oil Polyurethane and Short Sisal Fibers, 3797
Meng, F.-B. See Hu, J.-S., 3944
Meng, X. See Li, Z., 855
Meng, Y. Z. See Li, X. H., 3301; Wang, S. J., 1645
Metaxas, C. See Son, J., 1638
Métayer, M. See Leblanc, N., 1838
Milana, M. R. See Incarnato, L., 1768
Miller, A. C.
—; Berg, J. C.: Unexpected Behavior between Polystyrene and Untreated and Silane-Treated Glass Beads in Filled Polymeric Composites, 521
Mimura, K.
—; Ito, H.: The Characteristic of Epoxy-Resin That Makes Decomposition Easy by Blending Thermoplastic Polymer, 527
Minami, H. See Okubo, M., 706

Minster, J. See Hristova, J., 3329
Mirzaei, A. A.
—; Shaterian, H. R.; Habibi, S. M.: The Study of Polymerization Kinetics of Methacrylamide by Oxidation: Reduction System Using Potassium Permanganate/Glycine in Aqueous Medium, 3918
Mishima, K. See Matsuyama, K., 742
Mitchell, C. See Kim, H. S., 2306
Miura, T. See Kishi, R., 75
Mochizuki, A. See Abe, Y., 333, 1671
Modarress, H. See Nozary, S., 1983
Mojrek, A. See Behjat, A., 1230
Molinie, P. See Zaidi, B., 3091
Monakov, Y. B.
—; Mullagaliev, I. R.; Kharitonova, E. Y.: Butadiene Polymerization in the Presence of $VOCl_3$–Dialkylmagnesium Catalytic System, 596
—; See Sigaeva, N. N., 674; Urazbaev, V. N., 601
Mondal, N. See Bhadra, S., 465
Montero, G. See Hooker, J., 2545
Moon, I. K. See Chun, H., 368
Morais, P. C. See Rabelo, D., 3905
Moreira, A. C. F.
—; Cario, F. O., Jr.; Soares, B. G.: Cocontinuous Morphologies in Polystyrene/Ethylene–Vinyl Acetate Blends: The Influence of the Processing Temperature, 386
Moreno-Chulim, M. V.
—; Barahona-Perez, F.; Canche-Escamilla, G.: Biodegradation of Starch and Acrylic-Grafted Starch by *Aspergillus niger*, 2764
Morgan, A. B. See Kashiwagi, T., 2072
Morsy, M. See Nouh, S. A., 2249
Mosleh, S.
—; Gawish, S. M.; Sun, Y.: Characteristic Properties of Polypropylene Cationic Fabrics and Their Derivatives, 2917
Moszner, N. See Pavlinec, J., 579
Moustafa, A. F. See Botros, S. H., 3143
Mtshali, T. N.
—; Van Sittert, C. G. C. E.; Djokovic, V.; Luyt, A. S.: Binary Mixtures of Polyethylene and Oxidized Wax: Dependency of Thermal and Mechanical Properties upon Mixing Procedure, 2446
Mukhapadhyaya, R. See Bhadra, S., 465
Mukundan, T. See Bandgar, B. M., 1331
Mülhaupt, R. See Pavliková, S., 604
Mullagaliev, I. R. See Monakov, Y. B., 596
Muller, G. See Leblanc, N., 1838
Mulligan, R. F.
—; Iliadis, A. A.; Kofinas, P.: Synthesis and Characterization of ZnO Nanostructures Templated Using Diblock Copolymers, 1058
Munteanu, B. S. See Kelnar, I., 3647
Muraoka, Y. See Yamamoto, K., 1277
Murugesan, R. See Inbaraj, J. J., 3925
Murzagulova, K. B. See Makysh, G. S., 2977

Nada, A.-A. M. A.
—; Hassan, M. L.: Phosphorylated Cation-Exchangers from Cotton Stalks and Their Constituents, 2950
Nagano, R. See Yamada, K., 3574
Nagasawa, N. See Xu, L., 2123
Nagatomo, E. See Yamamoto, K., 1277
Nagpal, A. K. See Begam, T., 779; Gupta, A., 3237
Nah, J.-W. See Jeong, Y.-I., 1116
Nakane, K. See Ogata, N., 474
Nakason, C.
—; Kaesaman, A.; Rungvichaniwat, A.; Eardrod, K.; Kiatkamjonwong, S.: Rheological and Curing Behavior of Reactive Blending. II. Natural Rubber-*g*-Poly(methyl methacrylate)–Cassava Starch, 1453
Nakasone, T. See Yamada, K., 3574
Nakatsuka, S. See Matsuyama, H., 3951
Nakayama, Y. See Sato, Y., 1659
Nam, Y. S.
—; Kim, K. J.; Kang, H. S.; Park, T. G.; Han, S.-H.; Chang, I.-S.: Chemical Immobilization of Retinoic Acid within Poly(ε-caprolactone) Nanoparticles Based on Drug–Polymer Bioconjugates, 1631
Narbaitz, R. M. See Khayet, M., 2902
Narushima, K. See Inagaki, N., 96
Natansohn, A. See Rajagopalan, M., 728
Natarajan, U. See Kumar, S 1186
Nayak, N. C.
—; Tripathy, D. K.: Rheological Behavior of Ethylene–Octene Copolymer Vulcanizates: Effect of Blowing Agent and Precipitated Silica Filler, 1132
Nguyen, L. H.
—; Koerner, H.; Lederer, K.: Gel Point Determination for the Copolymerization System of Cardanyl Acrylate and Styrene and Its Critical Conversion, 2385
Nguyen, Q. See Lu, J., 2808
Nho, Y. C. See Park, J. S., 2316
Ni, J. See Zhou, N., 2179
Nieh, W. L. See Kim, M. G., 1896
Ning, Y. See Pi, H., 753
Nithitanakul, M. See Leewajanakul, P., 620
No, B. Y. See Kim, M. G., 1896
Noh, S. K. See Lee, J. S., 2391
Nonaka, T. See Kurihara, S., 943
Norman, L. See Vega-Cantú, Y., 971, 1250
Nouh, S. A.
—; Radwan, M. M.; Agami, W. R.; Morsy, M.: Studies on the Effect of Laser Radiation on the Thermal Stability of Stabilized Poly(vinyl chloride), 2249
Nozary, S.
—; Modarress, H.; Eliassi, A.: Cloud-Point Measurements for Salt + Poly(ethylene glycol) + Water Systems by Viscometry and Laser Beam Scattering Methods, 1983
Núñez, L.
—; Villanueva, M.; Núñez, M. R.; Rial, B.: Lifetime Prediction of the Epoxy System DGEBA (n = 0)/1,2-DCH Modified with an Epoxy Reactive Diluent by Thermogravimetric Analysis, 3835
Núñez, M. R. See Núñez, L., 3835
Nutt, S. See Lu, H., 3464

Obazee, E. O. See Aigbodion, A. I., 3256
Ochi, M. See Okuhira, H., 91
O'Connell, P. A.
—; Bonner, M. J.; Duckett, R. A.; Ward, I. M.: Effect of Molecular Weight and Branch Content on the Creep Behavior of Oriented Polyethylene, 1663
Ogata, N.
—; Sasayama, H.; Nakane, K.; Ogihara, T.: Preparation of Poly(L-lactide) Film Having High Elastic Recovery, 474
Ogata, T. See Kurihara, S., 943
Ogihara, T. See Ogata, N., 474
Oh, T.-S. See Kim, J.-T., 2633
O'Haver, J. See See, C. H., 36
Ohga, K. See Matsuyama, H., 3951
Ohkawara, S.-I. See Masaki, K., 2095
Ohta, Y. See Ishizu, K., 2490
Okieimen, F. E.
—; Preparation, Characterization, and Properties of Cellulose–

Polyacrylamide Graft Copolymers, 913
—; See Aigbodion, A. I., 3256
Okubo, M.
—; Minami, H.; Jing, Y.: Production of Polystyrene/Poly(ethylene glycol dimethacrylate) Composite Particles Encapsulating Hinokitiol, 706
Okuhira, H.
—; Kii, T.; Ochi, M.; Takeyama, H.: Novel Moisture-Curable Epoxy Resins and Their Characterization, 91
Olayo, R. See Castillo-Ortega, M. M., 179
Oliveira, A. C. See Rabelo, D., 3905
Omi, S. See Ma, G.-H., 163
O'Neill, S. See Son, J., 1638
Ong, E. L. See Wong, Y. W., 3160
Ono, H. See Asahara, J., 3039
Orlov, A. V.
—; Kiseleva, S. G.; Karpacheva, G. P.; Teplyakov, V. V.; Syrtsova, D. A.; Starannikova, L. E.; Lebedeva, T. L.: Structure and Gas Separation Properties of Composite Films Based on Polyaniline, 1379
Osaki, (Gem) S. See Chen, M., 1875
Oshmyan, V. G.
—; Shamaev, M. Y.; Timan, S. A.: Simulation of the Scale Factor of a Ductile Fracture of Polymer Blends and Composites on the Basis of the Specific Interphase Concept, 2771
O'Sickey, M. J.
—; Lawrey, B. D.; Wilkes, G. L.: Structure–Property Relationships of Poly(urethane-urea)s with Ultralow Monol Content Poly(propylene glycol) Soft Segments. III. Influence of Mixed Soft Segments of Ultralow Monol Poly(propylene glycol), Poly(tetramethylene ether glycol), and Tri(propylene glycol), 3520
Ou, C.-F.
—; Nanocomposites of Poly(trimethylene terephthalate) with Organoclay, 3315
Ou, Y. See Xie, T., 2256; Yu, Z.-Z., 797
Oyanguren, P. A. See Giannotti, M. I., 405
Oyman, Z. O.
—; Tinçer, T.: Melt Blending of Poly(ethylene terephthalate) with Polypropylene in the Presence of Silane Coupling Agent, 1039
Öz, N. See Kızılcan, N., 2896
Özçiçek, N. P.
—; Pekmez, K.; Holze, R.; Yıldız, A.: Increased Stability of Polythiophene in the Presence of Aniline in Acetonitrile, 862
Özkara, S.
—; Yavuz, H.; Denizli, A.: Purification of Immunoglobulin G from Human Plasma by Metal-Chelate Affinity Chromatography, 1567

Padmanabhan, M. See Inbaraj, J. J., 3925
Pakhomov, P. M.
—; Khizhnyak, S.; Reuter, H.; Tshmel, A.: Crystalline Phase in the Ultrahigh Molecular-Weight Polyethylene Gel Solution and Xerogel, 373
Pakkanen, T. T. See Holopainen, H., 3582
Paliwal, L. J. See Gurnule, W. B., 787
Pandey, G. D. See Gupta, Y. N., 2051
Pandey, P. K.
—; Banerjee, J.; Taunk, K.; Behari, K.: Graft Copolymerization of Acrylic Acid onto Xanthum Gum Using a Potassium Monopersulfate/Fe^{2+} Redox Pair, 1341
Pang, X. See Lu, S., 3790
Pantani, R.
—; Pressure and Cooling Rate-Induced Densification of Atactic Polystyrene, 184
—; Speranza, V.; Besana, G.; Titomanlio, G.: Crystallization Kinetics and PVT Behavior of Poly(vinylidene fluoride) in Process Conditions, 3396
Papaspyrides, C. D. See Kartalis, C. N., 1311
Papon, E. See Aymonier, A., 2749
Paraschiv, I. See Gaina, V., 3547
Park, C. E. See Cho, K., 3115
Park, D.-H.
—; Kim, S. B.; Ahn, K.-D.; Kim, E. Y.; Kim, Y. J.; Han, D.-K.: *In Vitro* Degradation and Cytotoxicity of Alkyl 2-Cyanoacrylate Polymers for Application to Tissue Adhesives, 3272
Park, H. J. See Hwang, K. T., 3476
Park, J. See Ishizu, K., 2490
Park, J. H.
—; Bae, Y. H.: Hydrogels Based on Poly(ethylene oxide) and Poly(tetramethylene oxide) or Poly(dimethyl siloxane). II. Physical Properties and Bacterial Adhesion, 1505
—; See Kim, Y. S., 2270
Park, J. S.
—; Kang, P. H.; Nho, Y. C.; Suh, D. H.: Effects of Thermal Ageing Treatment and Antioxidants on the Positive Temperature Coefficient Characteristics of Carbon Black/Polyethylene Conductive Composites, 2316
Park, K.-Y. See Kim, J.-Y., 3130
Park, S.
—; Lee, D.-R.: Investigations of Heat Transfer and Pressure Drop Between Parallel Channels with Pseudoplastic and Dilatant Fluids, 3601
Park, S. J. See Kim, S. J., 24, 890, 2041
Park, S.-W. See Kwak, Y.-S., 123
Park, T. G. See Nam, Y. S., 1631
Pasa, V. M. D. See Melo, B. N., 3797
Patel, D. See Hood, D. K., 734
Patel, M. B.
—; Patel, S. A.; Ray, A.; Patel, R. M.: Synthesis, Characterization, and Antimicrobial Activity of Acrylic Copolymers, 895
Patel, R. M. See Patel, M. B., 895
Patel, S. A. See Patel, M. B., 895
Pattanaolarn, R. See Leewajanakul, P., 620
Pavithran, C. See Kalaprasad, G., 432
Pavliková, S.
—; Thomann, R.; Reichert, P.; Mülhaupt, R.; Marcinčin, A.; Borsig, E.: Fiber Spinning from Poly(propylene)–Organoclay Nanocomposite, 604
Pavlinec, J.
—; Moszner, N.: Dark Reactions of Free Radicals Trapped in Densely Crosslinked Polymer Networks After Photopolymerization, 579
Pekmez, K. See Özçiçek, N. P., 862
Peng, H.
—; Cheng, S.; Feng, L.: Properties of Poly(*n*-butyl methacrylate) Prepared by Reverse Atom Transfer Radical Polymerization in an Aqueous Dispersed System, 1542
—; Cheng, S.; Feng, L.; Fan, Z.: Atom Transfer Radical Polymerization of *n*-Butyl Methacrylate in an Aqueous Dispersed System, 3175
Peng, Z. See Du, A., 2192
Peppas, N. A. See Kim, B., 1606; Ward J. H., 3506
Peppley, B. See Wan, Y., 306
Perçin, S. See Şahin, Y., 1652
Pereira, E. D. See Rivas, B. L., 1715, 2852
Pereira, M. R. See Fernandes, A. L. P., 191

Pereña, J. M. See Benavente, R., 3666; Ekizoglou, N., 3358
Perera, S. See Ercole, F., 3371
Pérez, E. See Benavente, R., 3666; Ekizoglou, N., 3358
Perez-Tello, M. See Castillo-Ortega, M. M., 179
Perwuelz, A. See Behary, N., 645
Pesetskii, S. S. See Krivoguz, Y. M., 828
Petrov, P.
—; Jankova, K.; Mateva, R.: Polyamide-6-*b*-Polybutadiene Block Copolymers: Synthesis and Properties, 711
Petsom, A.
—; Roengsumran, S.; Hanphichanchai, S.; Sangvanich, P.: Brominated Phenol–Formaldehyde Resin as an Adhesive for Plywood, 1918
Pfaendner, R. See Kartalis, C. N., 1311
Philip, B.
—; Sreekumar, K.: Studies on Second Harmonic Generation Efficiency by a Series of Chiral Polyesters, 2468
Phillips, P. J. See Thorat, S. D., 1163
Pi, H.
—; Guo, S.; Ning, Y.: Mechanochemical Improvement of the Flame-Retardant and Mechanical Properties of Zinc Borate and Zinc Borate–Aluminum Trihydrate-Filled Poly(vinyl chloride), 753
Piccarolo, S. See La Carrubba, V., 3713
Picchioni, F.
—; Goossens, J. G. P.; van Duin, M.; Magusin, P.: Solid-State Modification of Isotactic Polypropylene (iPP) via Grafting of Styrene. I. Polymerization Experiments, 3279
Piérola, I. F. See Serrano, B., 1284
Ping, Z.-H. See Lu, J., 2808
Pinto, J. C. See Lenzi, M. K., 3021
Pionteck, J.
—; Hu, J.; Schulze, U.: Membrane Properties of Microporous Structures Prepared from Polyethylene/Polymethacrylate IPN, 1976
Pires, A. T. N. See Alcântara, R. M., 1858
Pitchumani, R. See Yang, F., 3220
Pizzi, A.
—; Zanetti, M.: Structure Effects of Additives in Performance Improvement of Aminoplastic Adhesive Resins (Note), 284
Podeshvo, I. V. See Polotskaya, G. A., 2361
Pollack, G. H. See Gao, F., 1319
Pollicino, A. See Sangermano, M., 1524
Polotskaya, G. A.
—; Kuznetsov, Y. P.; Goikhman, M. Y.; Podeshvo, I. V.; Maricheva, T. A.; Kudryavtsev, V. V.: Pervaporation Membranes Based on Imide-Containing Poly(amic acid) and Poly(phenylene oxide), 2361
Pomasanam, P. See Kiatkamjornwong, S., 238
Popescu, C. See Budrugeac, P., 355
Poss, M. See Jenke, D. R., 1049
Potekhin, M. See Chen, M., 1875
Pradhan, D. R. See Brar, A. S., 1779
Prasassarakich, P. See Arayapranee, W., 63; Charmondusit, K., 142
Preechachon, I. See Premphet-Sirisinha, K., 3557
Premalatha, C. K. See Joseph, R., 668
Premphet-Sirisinha, K.
—; Preechachon, I.: Changes in Morphology and Properties by Grafting Reaction in PP/EOR/$CaCO_3$ Ternary Composites, 3557
Priola, A. See Sangermano, M., 1524
Priya, L.
—; Jog, J. P.: Polymorphism in Intercalated Poly(vinylidene fluoride)/Clay Nanocomposites, 2036
Prut, E. V. See Baranov, A. O., 249

Qi, Z. See He, J.-D., 3404
Qian, L.
—; Sun, G.: Durable and Regenerable Antimicrobial Textiles: Synthesis and Applications of 3-Methylol-2,2,5,5-tetramethyl-imidazolidin-4-one (MTMIO), 2418
Qiao, X.
—; Zhang, Y.; Zhang, Y.; Zhu, Y.: Ink-Eliminated Waste Paper Sludge Flour-Filled Polypropylene Composites with Different Coupling Agent Treatments, 513
—; See Wan, C., 2184
Qin, J. See Li, Z., 2068, 2989
Qiu, W. See Zhang, F., 3292
Quan, Y.
—; Wang, Q.; Dong, W.; Chen, Q.: Structure and Oil-Resistant Properties of HTPB-Based Polyurea Modified with Polysulfide, 2672
Quijada, R. See López-Manchado, M. A., 2239

Rabelo, D.
—; Silva, V. J.; Alcântara, E. F. C.; Faria, L. C.; Martins, G. A. V.; Garg, V. K.; Oliveira, A. C.; Morais, P. C.: Fe^{2+} and Fe^{3+} Adsorption on 2-Vinylpyridine–Divinylbenzene Copolymers and Acrylonitrile–Methyl Methacrylate–Divinylbenzene Terpolymers, 3905
Radhakrishnan, S.
—; Sonawane, P. S.: Role of Heat Transfer and Thermal Conductivity in the Crystallization Behavior of Polypropylene-Containing Additives: A Phenomenological Model, 2994
Radwan, M. M. See Nouh, S. A., 2249
Rafailovich, M. See Lee, Y.-K., 2589
Raghunathan, P. See Roy, D., 1959
Rahangdale, P. K. See Gurnule, W. B., 787
Raheno, H. See Mallakpour, S., 2692
Rahier, H. See De Clerck, K., 3840
Rainio, J. See Holopainen, H., 3582
Raj, A. E. See Raj, B., 3874
Raj, B.
—; Raj, A. E.; Madan, P.; Siddaramaiah: Modeling of Moisture Sorption Isotherms of Poly(vinyl alcohol)/Starch Films, 3874
Rajagopalan, M.
—; Natansohn, A.; Eisenberg, A.; Tannenbaum, R.: Miscibility Behavior and Coil Overlap in Ionic Blends of Phenylated Polytriphenylene Oxide and Poly(Methyl Methacrylate), 728
Rajeev, R. S.
—; Bhowmick, A. K.; De, S. K.; Bandyopadhyay, S.: Atomic Force and Scanning Electron Microscopic Studies of Effect of Crosslinking System on Properties of Maleated Ethylene–Propylene–Diene Monomer Rubber Composites Filled with Short Melamine Fibers, 1211
Rajulu, A. V.
—; Devi, L. G.; Rao, G. B.: Miscibility Studies of Epoxy/Unsaturated Polyester Resin Blend in Chloroform by Viscosity, Ultrasonic Velocity, and Refractive Index Methods, 2970
Ramathal, H.
—; Lawal, A.: Barrier Properties of a Thermotropic Liquid-Crystalline Polymer, 2457
Ramis, X. See Marroyo, L. M., 3618

Ramkumar, S. S.
—; Roedel, C.: Study of Needle Penetration Speeds on Frictional Properties of Nonwoven Webs: A New Approach, 3626
Rao, G. B. See Rajulu, A. V., 2970
Ratna, D.
—; Varley, R.; Simon, G. P.: Toughening of Trifunctional Epoxy Using an Epoxy-Functionalized Hyperbranched Polymer, 2339
Ray, A. See Patel, M. B., 895
Reboredo, M. M. See Zárate, C. N., 2714
Recca, A. See Blanco, I., 268; Sangermano, M., 1524
Redondo, S. U. A.
—; Gonçalves, M. C.; Yoshida, I. V. P.: Eucalyptus Kraft Pulp Fibers as an Alternative Reinforcement of Silicone Composites. II. Thermal, Morphological, and Mechanical Properties of the Composites, 3739
Reichert, P. See Pavliková, S., 604
Reis, R. L. See Sousa, R. A., 2079
Reitz, F. B. See Gao, F., 1319
Rempel, G. L. See Arayapranee, W., 63; Charmondusit, K., 142
Ren, T.
—; Luo, Y.; Huang, X.; Tang, X.: Synthesis and Characterization of Novel Crosslinked Polyurethane–Acrylate Electrolyte, 340
Retuert, J. See López-Manchado, M. A., 2239
Reuter, H. See Pakhomov, P. M., 373
Reyx, D. See Audic, J.-L., 1291
Rho, J. See Lee, Y., 2058
Rial, B. See Núñez, L., 3835
Ribes-Greus, A. See Vallés-Lluch, A., 3260
Riedl, B. See Gagnon, M., 1362; He, G., 1371
Riley, P. See Ercole, F., 3371
Rivas, B. L.
—; Jara, M.; Pereira, E. D.: Preparation and Adsorption Properties of the Chelating Resins Containing Carboxylic, Sulfonic, and Imidazole Groups, 2852
—; Pereira, E. D.: Synthesis of Copolymers Containing Opposite Charged Comonomers and Their Interactions with Metal Ions, 1715
—; Sánchez, C. O.: Electrical Conductivity and Thermal Properties of Poly(*m*-aminophenyl acetic acid) and Its Copolymers with Aniline, 1484
—; Sánchez, C. O.: Poly(2-) and (3-aminobenzoic acids) and Their Copolymers with Aniline: Synthesis, Characterization, and Properties, 2641
Rocha, M. C. G. See Lovisi, H., 1690
Rodrigue, D. See Gagnon, M., 1362
Rodrigues, T. C. See dos Santos Rosa, D., 3539
Rodríguez-Macías, F. J. See Shofner, M. L., 3081
Roedel, C. See Ramkumar, S. S., 3626
Roengsumran, S. See Petsom, A., 1918
Ronesi, V.
—; Cheung, Y. W.; Hilter, A.; Baer, E.: Adhesion of Ethylene–Styrene Copolymers to Polyethylene in Microlayers, 153
Rong, M. Z. See Hou, Y. H., 2438
Rouison, D.
—; Sain, M.; Couturier, M.: Resin-Transfer Molding of Natural Fiber–Reinforced Plastic. I. Kinetic Study of an Unsaturated Polyester Resin Containing an Inhibitor and Various Promoters, 2553
Roy, C. See Gagnon, M., 1362
Roy, D.
—; Basu, P. K.; Raghunathan, P.; Eswaran, S. V.: Cashew Nut Shell Liquid-Based Tailor-Made Novolac Resins: Polymer Morphology Quantitation by 1-D and 2-D NMR Techniques and Performance Evaluation, 1959
Rueda, D. R. See Berdjane, K., 2046
Rungvichaniwat, A. See Nakason, C., 1453
Rushing, T. S.
—; Hester, R. D.: Intrinsic Viscosity Dependence on Polymer Molecular Weight and Fluid Temperature, 2831
Rutkowska, M. See Joseph, S., 1007, 3700
Ryba, E. R. See Kim, J., 1417
Ryu, K. S.
—; Wu, X.; Lee, Y.-G.; Chang, S. H.: Electrochemical Capacitor Composed of Doped Polyaniline and Polymer Electrolyte Membrane, 1300

Sabirov, Z. M. See Urazbaev, V. N., 601
Saçak, M. See Keleş, H., 2836
Şahin, Y.
—; Perçin, S.; Alsancak, G. Ö.: Electrochemical Synthesis of Poly(2-iodoaniline) and Poly(aniline-*co*-2-iodoaniline) in Acetonitrile, 1652
Saikia, C. N. See Das, P., 630
Saikrasun, S.
—; Bualek-Limcharoen, S.; Kohjiya, S.; Urayama, K.: Thermotropic Liquid-Crystalline Copolyester/Thermoplastic Elastomer *In Situ* Composites. I. Rheology, Morphology, and Mechanical Properties of Extruded Strands, 2676
Sain, M. See Rouison, D., 2553
Salch, J. H. See Fanta, G. F., 3323
Saleh, H. H. See Ali, Z. I., 2025
Salla, J. M. See Marroyo, L. M., 3618
Samil, A. See Acemioğlu, B., 1537
Sánchez, C. O. See Rivas, B. L., 1484, 2641
Sangermano, M.
—; Bongiovanni, R.; Malucelli, G.; Priola, A.; Pollicino, A.; Recca, A.: Fluorinated Epoxides as Surface Modifying Agents of UV-Curable Systems, 1524
Sangvanich, P. See Petsom, A., 1918
Sano, A. See Asahara, J., 3039
Santerre, J. P. See Khayet, M., 2902
Sanyal, D. See Das, B., 930
Saraç, S. See Kızılcan, N., 2896
Sarı, B. See Gök, A., 2823
Sasayama, H. See Ogata, N., 474
Sato, K. See Yamada, K., 2535
Sato, T. See Masaki, K., 2095
Sato, Y.
—; Nakayama, Y.; Yasuda, H.: Synthesis, Structure, and Olefin Polymerization Catalysis of a Novel Vanadium(III) 1,1′-Bi-2-naphtholate Complex, 1659
Sawpan, M. A. See Hassan, M. M., 3530
Saxena, N. S. See Agarwal, R., 1708; Singh, K., 3458
Scarfato, P. See Incarnato, L., 1768
Schiraldi, D. A. See Andrade, G. S., 934
Schoen, P. E. See Chiou, B.-S., 1032
Schreiber, H. P.
—; Probe Selection and Description in IGC: A Nontrivial Factor, 2323
Schulze, U. See Pionteck, J., 1976
Schwank, J. W. See Khayankarn, O., 2875
Scrivani, T. See Benavente, R., 3666
See, C. H.
—; O'Haver, J.: Atomic Force Microscopy Characterization of Ultrathin Polystyrene Films Formed by Admicellar Polymerization on Silica Disks, 36

Segal, E. See Budrugeac, P., 355
Seib, P. See Ke, T., 3639
Semenov, V. See Thorat, S. D., 1163
Sen, K. See Bahrami, S. H., 1825
Senak, L. See Hood, D. K., 734
Seno, M. See Masaki, K., 2095
Seo, J.
—; Lee, S. Y.; Jang, W.; Han, H.: Effect of Hydrophobic Hexafluoroisopropylidene Group on the Water Sorption Behaviors of Rigid Poly(*p*-phenylene pyromellitimide) Polyimide Thin Films, 3442
Serizawa, T. See Yamamoto, K., 1277
Serrano, B.
—; Baselga, J.; Esteban, I.; Sesé, L. M.; Piérola, I. F.: Morphology of Phase Separated Blends of Poly(cyclohexyl methacrylate) with Poly(vinyl acetate), 1284
Sesé, L. M. See Serrano, B., 1284
Setua, D. K. See Gupta, Y. N., 2051
Seytre, G. See Douillard, A., 2224; Hardy, L., 1849
Shaaban, M. F. See Ibrahim, N. A., 3563
Shaban, H. See Al-Adwani, H., 1808
Shah, V. See Adcock, T., 1266
Shahmohammadi, M. H. See Mallakpour, S., 116
Shamaev, M. Y. See Oshmyan, V. G., 2771
Shan, G.-R.
—; Xu, P.-Y.; Weng, Z.-X.; Huang, Z.-M.: Synthesis and Properties of Oil Absorption Resins Filled with Polybutadiene, 3309
Shanks, R. A. See Wu, S., 3122
Sharma, B. R.
—; Kumar, V.; Soni, P. L.; Sharma, P.: Carboxymethylation of *Cassia tora* Gum, 3216
Sharma, K. B. See Agarwal, R., 1708
Sharma, K. C. See Bandgar, B. M., 1331
Sharma, P. See Sharma, B. R., 3216
Shaterian, H. R. See Mirzaei, A. A., 3918
She, W. See Wu, S., 2374
Shen, J. See Lü, C., 2426; Wang, D., 85
Shen, L.-Q.
—; Xu, Z.-K.; Xu, Y.-Y.: Phase Separation Behavior of Poly(ether imide)/*N,N*-Dimethyl Acetamide/Nonsolvent Systems, 875
Shen, Z. See Shi, C., 2624
Shi, C.
—; Xue, H.; Shen, Z.; Li, Y.; Yang, C.: Electrochemical Copolymerization of Pyrrole and Propylene Oxide, 2624
Shi, G. See Chen, F., 3390; Ma, M., 16
Shi, M. See Zhang, H., 2757
Shi, R.
—; Burt, H. M.: Synthesis and Characterization of Amphiphilic Hydroxypropylcellulose-graft-Poly(ε-caproiactone), 718
Shi, W. See Kou, H., 1500; Yang, W., 686
Shi, W.-P. See Lu, J.-M., 2611
Shibasaki-Kitakawa, N. See Yokoyama, C., 3167
Shibata, M. See Kishi, R., 75
Shibuya, T. See Ishizu, K., 2490
Shick, R. See Chiniwalla, P., 568
Shields, J. R. See Kashiwagi, T., 2072
Shigetomi, Y.
—; Kojima, T.: The Polycondensation of Lithium 11–Bromoundecanoate in Aqueous Media, 130
Shim, Y.-H. See Jeong, Y.-I., 1116
Shin, G. M. See Jeong, Y.-I., 1116
Shiozaki, H. See Freddi, G., 1390
Shlyapnikov, Y. A.
—; Kolesnikova, N. N.: Some Properties of Polyethylene–Heptadecane Mixtures, 2597
—; See Kalinina, I. A., 1182
Shofner, M. L.
—; Lozano, K.; Rodríguez-Macías, F. J.; Barrera, E. V.: Nanofiber-Reinforced Polymers Prepared by Fused Deposition Modeling, 3081
Shu, L. See Liu, N., 134
Shustov, G. B. See Kozlov, G. V., 2378
Siddaramaiah. See Raj, B., 3874
Sigaeva, N. N.
—; Usmanov, T. S.; Zaikov, G. E.; Monakov, Y. B.: The Nature of the Organoaluminum Compound and the Kinetic Heterogeneity of Active Sites in Lanthanide-Based Diene Polymerization, 674
Silva, A. L. N. See Lovisi, H., 1690
Silva, F. M. See Lenzi, M. K., 3021
Silva, V. J. See Rabelo, D., 3905
Simon, G. P. See Ratna, D., 2339
Simonsen, J. See Zhang, C., 1078
Singh, K.
—; Saxena, N. S.; Sreekala, M. S.; Thomas, S.: Temperature Dependence of the Thermal Conductivity and Thermal Diffusivity of Treated Oil-Palm-Fiber-Reinforced Phenolformaldehyde Composites, 3458
Singhal, R. See Begam, T., 779; Gupta, A., 3237
Sinha, S.
—; Jayaswal, N.; Kumar, A.: Preparation of High Capacity Weak Base Poly(methyl methacrylate)–Ethylene Glycol Dimethylacrylate Copolymer Anion Exchange Resin by Modification Using NO_x, 1991
Şirin Alan, S. See İnam, R., 2019
Sirisinha, C.
—; Limcharoen, S.; Thunyarittikorn, J.: Effects of Fillers, Maleated Ethylene Propylene Diene Diene Rubber, and Maleated Ethylene Octene Copolymer on Phase Morphology and Oil Resistance in Natural Rubber/Nitrile Rubber Blends, 1156
Sivakumar, M.
—; Yamamoto, Y.; Amutharani, D.; Tsujita, Y.; Yoshimizu, H.; Kinoshita, T.: Studies on the δ-Form Complex in the Syndiotactic Polystyrene–Organic Molecule System. II. Structural Investigation of the δ-Form with *p*- and *m*-Xylene Isomers, 2882
Smith, Jr., R. L. See Yokoyama, C., 3167
Smole, M. S. See Šujica, M. Ž., 3383
Soares, B. G. See Moreira, A. C. F., 386
Sokkar, T. Z. N.
—; El-Farahary, K. A.; El-Bakary, M. A.: Determination of Optical Properties, Dispersion, and Structural Parameters of Poly(ethylene terephthalate) Fibers Using Automatic Variable Wavelength Interferometry Technique, 1737
Sokolov, J. See Lee, Y.-K., 2589
Soloman, M. A.
—; Kurian, P.; Anantharaman, M. R.; Joy, P. A.: Effect of Carbon Black on the Mechanical and Dielectric Properties of Rubber Ferrite Composites Containing Barium Ferrite, 769
Solsona, M. S. See Giannotti, M. I., 405
Sombatsompop, N.
—; Sungsanit, K.: Processability, Rheology, and Thermal, Mechanical, and Morphological Properties of Postconsumer Poly(vinyl chloride) Bottles and Cables, 2738

Son, J.
—; Gardner, D. J.; O'Neill, S.; Metaxas, C.: Understanding the Viscoelastic Properties of Extruded Polypropylene Wood Plastic Composites, 1638
Son, Y. See Zhang, X. Q., 2502
Sonawane, P. S. See Radhakrishnan, S., 2994
Song, J.-M.
—; Kim, Y.; Han, S.; Lee, Y.; Kim, J.-S.: Hydrophobic Recovery Behavior of PMMA and PEA Ionomers Treated with PSII, 3100
Soni, P. L. See Sharma, B. R., 3216
Sousa, R. A.
—; Reis, R. L.; Cunha, A. M.; Bevis, M. J.: Structural Development of HDPE in Injection Molding, 2079
Speranza, V. See Pantani, R., 3396
Sreekala, M. S. See Agarwal, R., 1708; Singh, K., 3458
Sreekumar, K. See Philip, B., 2468
Starannikova, L. E. See Orlov, A. V., 1379
Stevenson, I. See Douillard, A., 2224; Hardy, L., 1849
Stutz, H.
—; Theoretical Evaluation and the Effect of Thermal Degradation on the Time–Temperature–Transformation (TTT) Diagram of Bisphenol Epoxies, 3894
Su, C. See Zhang, G., 3155
Su, Z.-G. See Ma, G.-H., 163
Suchocka-Gałaś, K.
—; Some Properties of Styrene-Based Ionomers. I, 55
Sudduth, R. D.
—; Evaluation of the Characteristics of a Viscoelastic Material from Creep Analysis Using the Universal Viscoelastic Model. I. Isolation of the Elastic Component Designated as the "Projected Elastic Limit", 2923
Sudha, M. See Anbarasan, R., 3685
Suh, D. H. See Park, J. S., 2316
Suh, K.-D. See Kim, J.-Y., 3130
Sui, K.
—; Gu, L.: Preparation and Characterization of Amphiphilic Block Copolymer of Polyacrylonitrile-*block*-Poly(ethylene oxide), 1753
Šujica, M. Ž.
—; Smole, M. S.: Structure–Mechanical Properties Relationship of Poly(ethylene terephthalate) Fibers, 3383
Suk, D. E. See Khayet, M., 2902
Sułkowski, W. W. See Bajdur, W. M., 3000
Sumita, M. See Katada, A., 1151; Kwak, G.-H., 2149
Sun, G. See Qian, L., 2418
Sun, R. See Zhang, S.-Y., 2618
Sun, X. See Ke, T., 1203
Sun, Y. See Mosleh, S., 2917
Sun, Y.-M. See Li, J.-Y., 662
Sun, Z.-R. See Lu, J.-M., 2611
Sungsanit, K. See Sombatsompop, N., 2738
Syrtsova, D. A. See Orlov, A. V., 1379

Tagle, L. H. See Diaz, F. R., 1614
Tak, T.-M. See Kim, I.-C., 2483
Takahashi, H. See Zeng, J., 1791
Takemura, A. See Asahara, J., 3039
Takeyama, H. See Okuhira, H., 91
Takezawa, Y. See Akatsuka, M., 2464
Taki, T. See Yamada, K., 2535
Tallon, M. A. See Hood, D. K., 734
Talu, M. See Gök, A., 2823
Tamai, N. See Yamauchi, T., 2798
Tam, K. C. See Jiang, L., 1464
Tan, H. See Wang, C., 3432
Tang, H. See Li, Z., 2989
Tang, X. See Cui, Y., 2708; Ren, T., 340; Wang, C., 3432; Wang, X., 2369
Tang, X.-Z. See Tian, Q., 1258
Tang, Y.
—; Hu, Y.; Wang, S.; Gui, Z.; Chen, Z.; Fan, W.: Novel Preparation of Poly(propylene)–Layered Silicate Nanocomposites (Note), 2586
—; See Wang, S., 2583
Tannenbaum, R. See Rajagopalan, M., 728
Taşdemir, M.
—; Mechanical, Thermal, and Microstructural Properties of Polypropylene/Polyamide-6/Styrene–Ethylene–Butadiene–Styrene Polymer Alloys, 3485
Taunk, K. See Pandey, P. K., 1341
Tawfik, M. E.
—; Preparation and Characterization of Water-Extended Polyester Based on Recycled Poly(ethylene terephthalate), 3693
Tearamoto, M. See Matsuyama, H., 3951
Tenokuchi, D. See Yoshida, M., 1966
Teplyakov, V. V. See Orlov, A. V., 1379
Thomann, R. See Pavliková, S., 604
Thomas, S. See Agarwal, R., 1708; Joseph, S., 1007, 3700; Kalaprasad, G., 432, 443; Singh, K., 3458
Thorat, S. D.
—; Phillips, P. J.; Semenov, V.; Gakh, A.: Physical Properties of Aliphatic Polycarbonates Made from CO_2 and Epoxides, 1163
Thorshaug, K. See Ekizoglou, N., 3358
Thunyarittikorn, J. See Sirisinha, C., 1156
Tian, C.
—; Wang, H.; Liu, X.; Ma, Z.; Guo, H.; Xu, J.: Flame Retardant Flexible Poly(vinyl chloride) Compound for Cable Application, 3137
Tian, J. See He, C., 3939
Tian, M. See Jiang, T.-Y., 2845
Tian, Q.
—; Zhao, X.-A.; Tang, X.-Z.; Zhang, Y.-X.: Fluorocarbon-Containing Hydrophobically Modified Poly(acrylic acid) Gels: Gel Structure and Water State, 1258
Timan, S. A. See Oshmyan, V. G., 2771
Tinçer, T. See Oyman, Z. O., 1039
Tingqing, Y. See Wenbo, L., 1722
Titomanlio, G. See Pantani, R., 3396
Tjong, S. C. See Li, X. H., 3301; Wang, S. J., 1645
Tominaga, Y. See Katada, A., 1151; Kwak, G.-H., 2149
Tordjeman, P. See Aymonier, A., 2749
Tripathy, D. K. See Nayak, N. C., 1132
Tshmel, A. See Pakhomov, P. M., 373
Tsuchiya, M. See Fujimura, T., 1412
Tsujita, Y. See Sivakumar, M., 2882
Tsukada, M.
—; Arai, T.; Colonna, G. M.; Boschi, A.; Freddi, G.: Preparation of Metal-Containing Protein Fibers and Their Antimicrobial Properties, 638
—; See Arai, T., 324; Freddi, G., 1390
Tu, D. M. See Li, Z., 3416

Uemura, Y. See Yoshida, M., 1966
Urayama, K. See Saikrasun, S., 2676
Urazbaev, V. N.
—; Efimov, V. P.; Sabirov, Z. M.; Monakov, Y. B.: Structure of Active Centers, Their Stereospecificity Distribution, and Multiplicity in Diene Polymerization Initiated by $NdCl_3$-Based Catalytic Systems, 601
Uriarte, C. See Etxabarren, C., 2216

Usmanov, T. S. See Sigaeva, N. N., 674
Ustamehmetoğlu, B. See Kızılcan, N., 2896

Vahabi, R. See Mallakpour, S., 1942
Valentini, L.
—; Biagiotti, J.; Kenny, J. M.; López Manchado, M. A.: Physical and Mechanical Behavior of Single-Walled Carbon Nanotube/Polypropylene/Ethylene–Propylene–Diene Rubber Nanocomposites, 2657
Vallés-Lluch, A.
—; Contat-Rodrigo, L.; Ribes-Greus, A.: Differential Scanning Calorimetry Studies on High- and Low-Density Annealed and Irradiated Polyethylenes: Influence of Aging, 3260
Van Der Horst, M.
—; Hendrikse, K. G.; Wollard, C. D.: The Role of Thiol Intermediates in 2-Mercaptobenzothiazole Accelerated Sulfur Vulcanization of Rubber Model Compounds, 47
van Duin, M. See Picchioni, F., 3279
Van Dyke, J. D.
—; Gnatowski, M.; Koutsandreas, A.; Burczyk, A.; Duncan, S.: Chemical Interaction in Blends of Polyamide and Butyl Rubbers, 980
van Gurp, M. See La Carrubba, V., 3713
VanLandingham, M. R. See Kashiwagi, T., 2072
Van Mele, B. See De Clerck, K., 3840
Van Sittert, C. G. C. E. See Mtshali, T. N., 2446
Varley, R. See Ratna, D., 2339
Vasanthan, N.
—; Huang, X.-X.: Effect of Polymer Microstructure on Dye Diffusion in Polyamide 66 Fibers, 3803
Vassileva, E.
—; Friedrich, K.: Epoxy/Alumina Nanoparticle Composites. I. Dynamic Mechanical Behavior, 3774
Vázquez, A. See Alvarez, V. A., 1071
Vega-Cantú, Y.
—; Hauge, R.; Norman, L.; Billups, W. E.: Enhancement of the Chemical Resistance of Nitrile Rubber by Direct Fluorination, 971
—; Hauge, R.; Norman, L.; Billups, W. E.: $ZnBr_2$-Catalyzed Chemical Effects in Poly(acrylonitrile-*co*-butadiene), 1250
Venkatraj, R. See Chidambaram, D., 1555
Villanueva, M. See Núñez, L., 3835
Villarreal, L. See Ghosh, S., 3747
Villenave, J.-J. See Aymonier, A., 2749
Vinodu, M. V. See Inbaraj, J. J., 3925
Vinod, V. S. See Joseph, R., 668
Vlad, C. D. See Dragan, S., 2701
Vrentas, C. M. See Vrentas, J. S., 1682, 2778
Vrentas, J. S.
—; Vrentas, C. M.: Effect of Glass Transition on the Concentration Dependence of Self-Diffusion Coefficients, 1682
—; Vrentas, C. M.: Prediction of the Molecular-Weight Dependence of Mutual Diffusion Coefficients in Polymer-Solvent Systems, 2778

Wadsworth, L. C. See Zhao, R., 1145
Wan, C.
—; Qiao, X.; Zhang, Y.; Zhang, Y.: Effect of Epoxy Resin on Morphology and Physical Properties of PVC/Organophilic Montmorillonite Nanocomposites, 2184
Wan, Y.
—; Creber, K. A. M.; Peppley, B.; Bui, V. T.: Ionic Conductivity and Related Properties of Crosslinked Chitosan Membranes, 306
Wang, C.
—; Zhang, G.; Zhang, Z.; Chen, X.; Tang, X.; Tan, H.: Characterization and Properties of Amphiphilic Block Polymer Based on Poly(ethylene oxide) and Poly(butyl acrylate), 3432
—; See Huang, W., 3437
Wang, C.-C. See Hsueh, H.-B., 2865; Hou, C., 422, 3492
Wang, C. L.
—; Zhang, Z. J.; Yang, C. Y.; Chao, D. Y.: Study of Fluorescence from Fluorescent Dye-Based Polyurethane Ionomer, 2723
Wang, D.
—; Xuan, Y.; Huang, Y.; Shen, J.: Synthesis and Properties of Graft Copolymer of Cellulose Diacetate with Poly(caprolactone monoacrylate), 85
—; See Hu, W., 1347
Wang, F. See Chen, F., 3390
Wang, G. See Li, J., 318, 3609
Wang, H.
—; Li, C.-C.; Zhang, D.; Li, Z.-Y.: Effects of Rosin-Type Cocrystal Nucleating Agents on the Crystallization Process and the Properties of Polypropylene, 2137
—; See Tian, C., 3137; Wu, S., 2374
Wang, H.-H.
—; Lin, L.-E.: Modified Polyurethane with Improvement of Acid Dye Dyeability, 1397
Wang, J.
—; Yi, X.-S.: Preparation and the Properties of PMR-Type Polyimide Composites with Aluminum Nitride, 3913
Wang, K. H.
—; Koo, C. M.; Chung, I. J.: Physical Properties of Polyethylene/Silicate Nanocomposite Blown Films, 2131
Wang, Q.
—; Gao, W.; Xie, Z.: Highly Thermally Conductive Room-Temperature-Vulcanized Silicone Rubber and Silicone Grease, 2397
—; See Quan, Y., 2672
Wang, S.
—; Hu, Y.; Tang, Y.; Wang, Z.; Chen, Z.; Fan, W.: Preparation of Polyethylene–Clay Nanocomposites Directly from Na^+ Montmorillonite by a Melt Intercalation Method (Note), 2583
—; See Ding, W., 817; Tang, Y., 2586; Zhang, H., 2757
Wang, S. J.
—; Tjong, S. C.; Meng, Y. Z.; Fung, M. K.; Lee, S. T.; Hay, A. S.: Synthesis and Photoluminescent Properties of Poly(aryl ether)s Containing Alternate Emitting and Electron-Transporting Moieties, 1645
Wang, T.
—; Cheng, G.; Ma, S.; Cai, Z.; Zhang, L.: Crystallization Behavior, Mechanical Properties, and Environmental Biodegradability of Poly(β-hydroxybutyrate)/Cellulose Acetate Butyrate Blends, 2116
Wang, W.-J. See Ye, Z., 2474
Wang, X.
—; Weihua, Z.; Liu, Y.; Tang, X.; Yang, X.: Ionic Conduction of Polyurethane/Sulfonated Polyether Blends, 2369
—; See Cui, Y., 2708; Huang, J., 1685, 3180; Li, Z., 3416
Wang, Y. See Jiang, T.-Y., 2845; Lü, C., 2426; Zhang, C., 379
Wang, Y.-F. See Yuan, J.-J., 1017

Wang, Y.-Z.
—; Yi, B.; Wu, B.; Yang, B.; Liu, Y.: Thermal Behaviors of Flame-Retardant Polycarbonates Containing Diphenyl Sulfonate and Poly(sulfonyl phenylene phosphonate), 882
Wang, Z.
—; Li, Y.; Zhu, Q. Y.; Luo, Z. X.: Radiation and Conduction Heat Transfer Coupled with Liquid Water Transfer, Moisture Sorption, and Condensation in Porous Polymer Materials, 2780
—; See Wang, S., 2583; Zhou, N., 2179
Wang, Z.-G. See Lu, J.-M., 2611
Ward, I. M. See O'Connell, P. A., 1663
Ward, J. H.
—; Furman, K.; Peppas, N. A.: Effect of Monomer Type and Dangling End Size on Polymer Network Synthesis, 3506
Wei, Y. See Luo, Y., 1515
Weihua, Z. See Wang, X., 2369
Wenbo, L.
—; Tingqing, Y.: Computer Simulation of Conic-Shaped Patterns on Fracture Surfaces of Polymers (Note), 1722
Weng, Z.-X. See Shan, G.-R., 3309
Wenying, L. See Xiaodong, Z., 3016
Wilkes, G. L. See O'Sickey, M. J., 3520
Wollard, C. D. See Van Der Horst, M., 47
Wong, Y. W.
—; Hui, N. M.; Ong, E. L.; Chan, H. L. W.; Choy, C. L.: Specific Heat and Thermal Diffusivity of Vinylidene Fluoride/Trifluoroethylene Copolymers, 3160
Wu, B.
—; Yamamoto, T.: Polycondensation Between *p*-Dibromobenzene and *m*-Dibromobenzene, 2210
—; See Wang, Y.-Z., 882
Wu, C.-S.
—; Performance of an Acrylic Acid Grafted Polycaprolactone/Starch Composite: Characterization and Mechanical Properties, 2888
—; See Liu, Y.-L., 791
Wu, D.-C. See Cai, B., 3210
Wu, J.-H. See Chiu, H.-T., 959
Wu, J.-S. See Huang, J.-M., 1471
Wu, Q. See Chen, R., 1596
Wu, S.
—; Shanks, R. A.: Conformation of Polyacrylamide in Aqueous Solution with Interactive Additives and Cosolvents, 3122
—; Xu, X.: Structure and Properties of Ultraviolet-Irradiated High Density Polyethylene at Different Environmental Temperatures, 2966
—; Zeng, F.; Wang, H.; She, W.; Cai, Z.: Thermooptical Properties of Poly(methyl methacrylate)-Based Azobenzene Composites, 2374
Wu, X. See Ryu, K. S., 1300
Wu, Y.-P.
—; Jia, Q.-X.; Yu, D.-S.; Zhang, L.-Q.: Structure and Properties of Nitrile Rubber (NBR)–Clay Nanocomposites by Co-coagulating NBR Latex and Clay Aqueous Suspension, 3855
Wu, Z. See Hu, W., 1347

Xi, C. See Ma, M., 16
Xiao, C.
—; Zhang, Z.; Zhang, J.; Lu, Y.; Zhang, L.: Properties of Regenerated Cellulose Films Plasticized with α-Monoglycerides, 3500
Xiao, Y. See Li, J.-Y., 662
Xiaodong, Z.
—; Xin, L.; Wenying, L.: Synthesis and Applied Properties of Carboxymethyl Cornstarch, 3016
Xie, B.-H. See Yang, W., 686
Xie, H.-Q.
—; Liu, X.-H.; Guo, J.-S.: Synthesis and Properties of Amphiphilic Copolymers of Butyl Acrylate and Methyl Methacrylate with Uniform Polyoxyethylene Grafts, 2982
Xie, J.
—; Hsieh, Y.-L.: Thermosensitive Poly(*N*-isopropylacrylamide) Hydrogels Bonded on Cellulose Supports, 998
Xie, S. See Li, M., 806
Xie, T.
—; Yang, G.; Fang, X.; Ou, Y.: Synthesis and Characterization of Poly(methyl methacrylate)/Montmorillonite Nanocomposites by *In Situ* Bulk Polymerization, 2256
Xie, Y.
—; Zhang, Q.; Fan, X.: Study of the Fine Crystalline Structure of Polyethylenes via Annealing and Thermal Fractionation, 2686
Xie, Z. See Wang, Q., 2397
Xin, L. See Xiaodong, Z., 3016
Xiong, X. See Yang, G., 763
Xiuzhi Sun, S. See Ke, T., 3639
Xu, C. See Ding, W., 817
Xu, J. See Tian, C., 3137
Xu, L.
—; Nagasawa, N.; Yoshii, F.; Kume, T.: Syntheses of Hydroxypropyl Methylcellulose Phthalate Hydrogels in Na_2CO_3 Aqueous Solutions with Electron-Beam Irradiation, 2123
Xu, P.-Y. See Shan, G.-R., 3309
Xu, S. See Ding, W., 817
Xu, S.-M.
—; Zhang, S.-F.; Lu, R.-W.; Yang, J.-Z.; Cui, C.-X.: Study on Adsorption Behavior Between Cr(VI) and Crosslinked Amphoteric Starch, 263
Xu, T. See Yang, D., 3769
Xu, X. See Li, Z., 855; Wu, S., 2966; Zeng, J., 1085
Xu, Y. See Huang, W., 3437; Li, X. H., 3301
Xu, Y.-Y. See Shen, L.-Q., 875
Xu, Z.-K. See Shen, L.-Q., 875
Xuan, Y. See Wang, D., 85
Xue, H. See Shi, C., 2624
Xue, W.-X. See Li, J.-Y., 662
Xue, Y.
—; Zhang, J.; Zheng, X.; He, J.: Mechanical Performance of Blends of Thermotropic Liquid Crystalline Polymer Spheres-Dispersed Polycarbonate, 1493

Yahaya, G. O. See Abu-Sharkh, B. F., 2290
Yamada, K.
—; Nakasone, T.; Nagano, R.; Hirata, M.: Retention and Reusability of Trypsin Activity by Covalent Immobilization onto Grafted Polyethylene Plates, 3574
—; Taki, T.; Sato, K.; Hirata, M.: Electrotransport of Organic Electrolytes Through 2-(Dimethylamino)ethyl Methacrylate-Grafted Polyethylene Films and Their Separation and Concentration, 2535
Yamamoto, K.
—; Imamura, Y.; Nagatomo, E.; Serizawa, T.; Muraoka, Y.; Akashi, M.: Synthesis and Functionalities of Poly(*N*-vinylalkylamide). XIV. Polyvinylamine Produced by Hydrolysis of Poly(*N*-vinylformamide) and Its Functionalization, 1277
Yamamoto, T. See Wu, B., 2210

Yamamoto, Y. See Sivakumar, M., 2882
Yamane, Y.
—; Matsui, M.; Kimura, H.; Kuroki, S.; Ando, I.: Diffusion Process of Amino Acids in Polymer Supports for Solid-Phase Peptide Synthesis as Studied by Pulsed-Field-Gradient Spin-Echo Proton Nuclear Magnetic Resonance, 413
Yamauchi, T.
—; Tamai, N.: A Novel Approach Using Differential Scanning Calorimetry to Investigate the Dissolved State in Aqueous Solutions of Polymers Used for Papermaking, 2798
Yan, X. See Zhou, N., 2179
Yang, B. See Lü, C., 2426; Wang, Y.-Z., 882
Yang, C. See Shi, C., 2624; Zhang, D., 3587
Yang, C.-P.
—; Chiang, H.-C.; Chen, R.-S.: Synthesis and Characterization of Organosoluble Poly(arylate-imide)s Prepared from Direct Polycondensation of Bis(trimellitimide)-Diacids and Various Bisphenols, 3818
Yang, C. Y. See Wang, C. L., 2723
Yang, C.-Z. See Zhang, S.-Y., 2618
Yang, D.
—; Li, Z.; Lu, Y.; Xu, T.: Study on the Curing Process of QY8911-3 Resin, 3769
Yang, F.
—; Pitchumani, R.: A Kinetics Model for Interphase Formation in Thermosetting Matrix Composites, 3220
—; Zhang, X.; Zhao, H.; Chen, B.; Huang, B.; Feng, Z.: Preparation and Properties of Polyethylene/Montmorillonite Nanocomposites by *In Situ* Polymerization, 3680
Yang, G.
—; Xiong, X.; Zhang, L.: Separation of Superoxide Dismutase by Size-Exclusion Chromatography Column Packed with Regenerated Cellulose Gels, 763
—; See Xie, T., 2256; Yu, Z.-Z., 797
Yang, H. See Luo, Y., 1515
Yang, J. See Cho, K., 3115; Hu, Z., 3889; Li, Z., 855
Yang, J.-Z. See Xu, S.-M., 263
Yang, L. See Luo, Y., 1515; Zeng, J., 1085; Zhang, F., 3292
Yang, M.
—; Dan, Y.: Preparation and Characterization of the Complex Latex Formed Through Complexation of Two Polymer Latexes with Chemically Complementary Structure, 1405
Yang, M.-B. See Yang, W., 686
Yang, M.-S. See He, J.-D., 3404
Yang, W.
—; Li, Z.-M.; Xie, B.-H.; Feng, J.-M.; Shi, W.; Yang, M.-B.: Stress-Induced Crystallization of Biaxially Oriented Polypropylene, 686
Yang, X. See Wang, X., 2369
Yang, Y. See Hu, W., 1347
Yang, Y.-D. See Zhou, Y.-G., 1520
Yang, Z.
—; Cheng, S.: Synthesis and Characterization of Macrocyclic Polyamine Derivative of Chitosan, 924
Yao, F.
—; Chen, W.; Liu, C.; De Yao, K.: A Novel Amphoteric, pH-Sensitive, Biodegradable Poly chitosan-*g*-(L-lactic-*co*-citric) acid} Hydrogel, 3850
Yao, K. Z.
—; McAuley, K. B.; Marchildon, E. K.: Simulation of Continuous Solid-Phase Polymerization of Nylon 6,6. III. Simplified Model, 3701
Yasuda, H. See Sato, Y., 1659
Yasui, T. See Hiratani, H., 3786
Yavuz, H. See Özkara, S., 1567
Yazdani-Pedram, M. See López-Manchado, M. A., 2239
Ye, L.
—; Huang, R.; Hoffman, H.: Surfactant Interactions with P(AM–AA–BPAM) Hydrophobically Modified Polyelectrolytes, 2664
Ye, Q.
—; Zhang, Z.; Ge, X.: Highly Efficient Flocculant Synthesized through the Dispersion Copolymerization of Water-Soluble Monomers Induced by γ-Ray Irradiation: Synthesis and Polymerization Kinetics, 2108
Ye, Z.
—; Wang, W.-J.; Zhu, S.: Electron Spin Resonance Spectroscopy Study on Reduction of Constrained-Geometry Catalyst Systems, 2474
Yeh, J.-M.
—; Yu, M.-Y.; Liou, S.-J.: Dehydration of Water–Alcohol Mixtures by Vapor Permeation Through PVA/Clay Nanocomposite Membrane, 3632
Yeh, J.-T.
—; Lin, Y.-T.; Chen, K.-N.: Ultradrawing Properties of Gel Films of Ultrahigh-Molecular-Weight Polyethylene and Low-Molecular-Weight Polyethylene Blends Prepared at Various Formation Temperatures, 3728
Yi, B. See Wang, Y.-Z., 882
Yi, X.-S. See Wang, J., 3913
Yıldız, A. See Özçiçek, N. P., 862
Yin, Y. See Li, Z., 3416
Ying, L. See Hou, C., 3492
Yokoyama, C.
—; Kawase, Y.; Shibasaki-Kitakawa, N.; Smith, Jr., R. L.: Copolymerization of Carbon Dioxide and Ethyl Vinyl Ether at Subcritical and Supercritical Conditions, 3167
Yoneyama, D. See Kurihara, S., 943
Yoon, W. S.
—; Lyoo, W. S.; Ghim, H. D.; Lee, J.; Kim, J. H.; Kim, S. S.: Effect of the Copolycondensation Temperature on the Reactivities of Bis(3-hydroxypropyl)terephthalate and Bis(2-hydroxyethyl)terephthalate, 1890
Yoshida, I. V. P. See Redondo, S. U. A., 3739
Yoshida, M.
—; Mardriyati, E.; Tenokuchi, D.; Uemura, Y.; Kawano, Y.; Hatate, Y.: Structural Control of Core/Shell Polystyrene Microcapsule-Immobilized Microbial Cells and Their Application to Polymeric Microbioreactors, 1966
Yoshii, F. See Xu, L., 2123
Yoshimizu, H. See Sivakumar, M., 2882
Yosomiya, R. See Kishi, R., 75
You, Y. See Zhu, C., 848
Youssef, H. A. See Ali, Z. I., 2025
Youssef, M. A. See Ibrahim, N. A., 3563; Mazroua, A. M., 2331
Yu, D.-S. See Wu, Y.-P., 3855
Yu, M. See Gao, J., 2431
Yu, M.-Y. See Yeh, J.-M., 3632
Yu, P. H. See Li, S.-D., 1530
Yu, Q. See Li, J.-Y., 662
Yu, W. See Li, Z., 855
Yu, X. See Huang, J., 3180
Yu, Y. See Gao, Y., 1869; Li, Z., 855; Zhang, Y., 1702
Yu, Z.-Z.
—; Lei, M.; Ou, Y.; Yang, G.: Toughening of Polyethylene Terephthalate/Amorphous Copolyester Blends with a

Maleated Thermoplastic Elastomer, 797
Yuan, J.-J.
—; Ma, R.; Gao, Q.; Wang, Y.-F.; Cheng, S.-Y.; Feng, L.-X.; Fan, Z.-Q.; Jiang, L.: Synthesis and Characterization of Polystyrene/Poly(4-vinylpyridine) Triblock Copolymers by Reversible Addition–Fragmentation Chain Transfer Polymerization and Their Self-Assembled Aggregates in Water, 1017
Yuan, Q.
—; Jiang, W.; An, L.; Li, R. K. Y.; Jiang, Z.: Mechanical and Thermal Properties of High-Density Polyethylene Toughened with Glass Beads, 2102
Yuan, R.-K. See Zhang, S.-Y., 2618
Yue, C. Y. See Jiang, L., 1464
Yue, X. See Li, Z., 855
Yung, L.-Y. L. See Hiratani, H., 3786
Yunus, W. M. Z. W. See Ibrahim, N. A., 2233
Yuyama, H. See Ma, G.-H., 163

Zahran, A. H. See Ali, Z. I., 2025
Zaidi, B.
—; Ayachi, S.; Mabrouk, A.; Fave, J. L.; Molinie, P.; Ghedira, M.; Alimi, K.: Thin Films of Insoluble Copolymer Derived from Poly(phenylene-vinylene) Obtained by Thermal Evaporation Under Vacuum, 3091
Zaikov, G. E. See Kalinina, I. A., 1182; Kozlov, G. V., 1760, 1764, 2378, 2382; Sigaeva, N. N., 674
Zamfirova, G. See Benavente, R., 3666
Zamora, P. O. See Chen, M., 1875
Zanetti, M. See Pizzi, A., 284
Zárate, C. N.
—; Aranguren, M. I.; Reboredo, M. M.: Influence of Fiber Volume Fraction and Aspect Ratio in Resol–Sisal Composites, 2714
Zeng, F. See Wu, S., 2374
Zeng, H. See Li, J.-Y., 662
Zeng, J.
—; Aoyama, M.; Takahashi, H.: Effect of the Composition on the Phase Size in Immiscible Blends with the Viscosity Ratio Close to Unity, 1791
—; Chen, X.; Xu, X.; Liang, Q.; Bian, X.; Yang, L.; Jing, X.: Ultrafine Fibers Electrospun from Biodegradable Polymers, 1085
Zhang, B.-Y. See Hu, J.-S., 3944; Jiang, T.-Y., 2845
Zhang, C.
—; Easteal, A. J.: Study of Poly(acrylamide-*co*-2-acrylamido-2-methylpropane sulfonic acid) Hydrogels Made Using Gamma Radiation Initiation, 1322
—; Li, K.; Simonsen, J.: A Novel Wood-Binding Domain of a Wood–Plastic Coupling Agent: Development and Characterization, 1078
—; Liu, M.; Zhao, Q.; Wang, Y.; Liu, S.: Study of Rheological Property of Nylon-1212 with Haake Rheometer, 379
Zhang, D.
—; Jiang, X.; Yang, C.: Microemulsion Polymerization of Siloxane with Nonionic Surfactants as Emulsifiers, 3587
—; See Wang, H., 2137
Zhang, F.
—; Qiu, W.; Yang, L.; Endo, T.; Hirotsu, T.: Crystallization and Melting Behaviors of Maleated Polyethylene and Its Composite with Fibrous Cellulose, 3292
Zhang, G.
—; Jiang, C.; Su, C.; Zhang, H.: Liquid-Crystalline Copolyester/Clay Nanocomposites, 3155
—; See Wang, C., 3432
Zhang, H.
—; Shi, M.; Zhang, J.; Wang, S.: Effects of Sunshine UV Irradiation on the Tensile Properties and Structure of Ultrahigh Molecular Weight Polyethylene Fiber, 2757
—; See Zhang, G., 3155
Zhang, J.
—; Feng, S.: Effect of Crosslinking on the Conductivity of Conductive Silicone Rubber, 3471
—; Feng, S.; Ma, Q.: Kinetics of the Thermal Degradation and Thermal Stability of Conductive Silicone Rubber Filled with Conductive Carbon Black, 1548
—; Zou, Q.; Li, X.; Cheng, S.: Soap-Free Cationic Emulsion Copolymerization of Styrene and Butyl Acrylate with Comonomer in the Presence of Alcohols, 2791
—; See Chen, F., 3390; Xiao, C., 3500; Xue, Y., 1493; Zhang, H., 2757
Zhang, L. See Huang, J., 1685; Wang, T., 2116; Xiao, C., 3500; Yang, G., 763;
Zhang, L.-Q. See Wu, Y.-P., 3855
Zhang, M. Q. See Hou, Y. H., 2438
Zhang, Q. See Hu, J., 1124; Xie, Y., 2686
Zhang, S. See Hu, Z., 3889
Zhang, S.-F. See Xu, S.-M., 263
Zhang, S.-Y.
—; Kong, F.; Sun, R.; Yuan, R.-K.; Jiang, X.-Q.; Yang, C.-Z.: Synthesis, Characterization, and Electro-Optical Properties of a Soluble Conjugated Polymer Containing an Oxadiazole Unit in the Main Chain, 2618
Zhang, W.
—; Dindar, C.; Bayraktar, Z.; Kiran, E.: Phase Behavior, Density, and Crystallization of Polyethylene in *n*-Pentane and in *n*-Pentane/CO_2 at High Pressures, 2201
—; See Hu, W., 1347
Zhang, W.-X. See Hou, C., 422
Zhang, X.
—; Ajji, A.: Biaxial Orientation Behavior of Polystyrene: Orientation and Properties, 487
—; See Yang, F., 3680; Zhao, S., 2311
Zhang, X. Q.
—; Son, Y.: Effects of Maleated Syndiotactic Polystyrene on the Morphology, Mechanical Properties, and Crystallization Behavior of Syndiotactic Polystyrene/Polyamide 6 Blends, 2502
Zhang, X.-Z.
—; Chu, C.-C.: Synthesis and Properties of the Semi-Interpenetrating Polymer Network-Like, Thermosensitive Poly(*N*-isopropylacrylamide) Hydrogel, 1935
Zhang, Y.
—; Huang, Y.; Liu, X.; Yu, Y.: Studies on the Silicone Resins Cured with Polymethylsilazanes at Ambient Temperature, 1702
—; See Du, A., 2192; Li, C., 589; Liu, X., 1727, Huang, H., 1727; Liu, Y., 2283; Qiao, X., 513; Wan, C., 2184; Zhu, S., 3248
Zhang, Y.-X. See Tian, Q., 1258
Zhang, Z. See Wang, C., 3432; Xiao, C., 3500; Ye, Q., 2108; Zhu, C., 848
Zhang, Z. J. See Wang, C. L., 2723
Zhao, D. See Li, J., 318, 3609
Zhao, H. See Hu, J., 1124; Yang, F., 3680
Zhao, J.-R.
—; Feng, Y.; Chen, X.-F.: Graft Modification of Highly Chlorinated Polyethylene (HCPE) with Methyl Methacrylate by the

Mechanochemistry Reaction. I. Synthesis and Characterization, 811
Zhao, Q. See Zhang, C., 379
Zhao, R.
—; Wadsworth, L. C.: Study of Polypropylene/Poly(ethylene terephthalate) Bicomponent Melt-Blowing Process: The Fiber Temperature and Elongational Viscosity Profiles of the Spinline, 1145
Zhao, S.
—; Zhang, X.; Jin, G.: Influence of Molecular Structure of Star S-SBR on Its Properties, 2311
Zhao, X.-A. See Tian, Q., 1258
Zhao, Y. See Caneba, G. T., 426
Zheng, Q.-K. See Cai, B., 3210
Zheng, S.
—; Gao, R.; Li, J.; Guo, Q.: Epoxy Resin Containing the Poly(sily ether): Preparation, Morphology, and Mechanical Properties, 505
Zheng, X. See Xue, Y., 1493
Zhong, L. See Li, X., 1696
Zhou, C. See Li, J., 318, 3609
Zhou, E. See Cai, J., 612
Zhou, J. See Liu, N., 134; Lu, J., 2808
Zhou, M. H.
—; Cho, W. J.: Oil Absorbents Based on Styrene–Butadiene Rubber, 1818
Zhou, N.
—; Ni, J.; Yan, X.; Wang, Z.; Cheng, R.: Synthesis and Solution Properties of Single-Chain Microgels from Poly(*N*-isopropylacrylamide) Copolymer, 2179
Zhou, Q. See Luo, Y., 1515
Zhou, Y.-G.
—; Yang, Y.-D.; Guo, X.-M.; Chen, G.-R.: Effect of Molecular Weight and Degree of Deacetylation of Chitosan on Urea Adsorption Properties of Copper Chitosan, 1520
Zhu, C.
—; Kou, X.; You, Y.; Zhang, Z.; Zuo, J.: Synthesis and Biodegradation of Starch-Graft-Poly(hexylene adipate), 848
Zhu, F. See Chen, R., 1596
Zhu, H. See Feldman, D., 2000
Zhu, J. See Zhu, X., 28
Zhu, Q. See Li, X. H., 3301
Zhu, Q. Y. See Wang, Z., 2780
Zhu, S.
—; Zhang, Y.; Zhang, Y.: Deformation and Fracture of $Mg(OH)_2$-Filled Polyolefin Composites under Tensile Stress, 3248
—; See Ye, Z., 2474
Zhu, X.
—; Chen, J.; Cheng, Z.; Lu, J.; Zhu, J.: Emulsion Polymerization of Styrene Under Pulsed Microwave Irradiation, 28
Zhu, X.-L. See Lu, J.-M., 2611
Zhu, Y. See Qiao, X., 513
Zohdy, M. H.
—; Abdel Kareem, H.; El-Naggar, A. M.; Hassan, M. S.: Microbial Detection, Surface Morphology and Thermal Stability of Cotton and Cotton/Polyester Fabrics Treated with Antimicrobial Formulations by a Radiation Method, 2604
Zohuri, G. H.
—; Azimfar, F.; Jamjah, R.; Ahmadjo, S.: Polymerization of Propylene Using the High-Activity Ziegler–Natta Catalyst System $SiO_2/MgCl_2$ (Ethoxide Type)/$TiCl_4$/Di-*n*-butyl Phthalate/Triethylaluminum/Dimethoxy Methyl Cyclohexyl Silane, 1177
Zong, R. See Liu, N., 134
Zou, Q. See Zhang, J., 2791
Zuo, J. See Zhu, C., 848

Journal of Applied Polymer Science

Subject Index—Volume 89

Acetone, 2562
Acid dye, 1397
Acrylamide, 913, 1322, 2940, 3685
2-Acrylamido-2-methylpropane sulfonic acid, 1322
Acrylic acid, 3931, 3685
Acrylic acid grafted polycaprolactone/starch composite, 2888
Acrylonitrile, 3323
Acrylonitrile–styrene–methylmethacrylate, 3143
Activation energy, 55, 134, 379, 612, 1500, 1638, 2589, 2708, 3188, 3442, 3774, 3918
Active site, 674
Acylation, 324
Addition reaction, 3496
Additive, 2597
Additives, 284, 867, 952, 1356, 1638, 2163, 2249, 2270, 2483, 2562, 2994
Adhesion, 521, 952, 2749, 2875
Adhesion promoter, 3496
Adhesion promoters, 952
Adhesives, 1078, 1918, 3039, 3272
Adsorption, 263, 924, 1139, 1520, 1537, 2013, 2019, 3210, 3220
Affinity chromatography, 1567
AFM, 1258
Ageing, 579, 2316, 2438, 3329, 3416
Aggregates, 1017
Aggregation structure, 959
Aging, 465, 589, 1442, 3260, 3427, 3447, 3539, 3859
Aliphatic polycarbonates, 1163
Alkali, 1026
Alloys, 527
α-Cellulose, 630
(α-Diimine)nickel(II) catalysts, 1356
α-Monoglyceride, 3500
α-Olefins, 1356
Aluminum nitride, 3913
Amorphous, 3747
Amorphous orientation, 3803
Amphiphiles, 426, 718, 2982
Amphiphilic block polymer, 3432
Amphoteric starch, 263
Anion, 1753
Anion exchangers, 1991
Anionic polymerization, 711, 2311, 3237
Annealing, 2036, 2686, 3260
Antimicrobes, 2604
Antioxidant, 2597
Antioxidants, 1182, 2163, 2270, 2316
Apparent viscosity, 379
Aqueous two-phase system, 1351
Association, 2977
Associative copolymers, 1351
Asymmetric membranes, 1838
Atom transfer radical polymerization, 1542
Atom transfer radical polymerization (ATRP), 3175
Atomic force microscopy, 1211
Atomic force microscopy (AFM), 1875, 2664
Automatic variable wavelength interferometry technique, 1737
Azacrown ether, 924
Azo polymers, 943, 2374

Barrier, 934, 2457
Biaxiality, 686
Bicomponent filaments, 1145
Biocompatibility, 1505
Biodegradable, 85, 130, 848, 1071, 1085, 1631, 2116, 2764, 3301, 3530, 3539, 3639, 3874, 3897
Biodegradable plastics, 1685
Biological applications of polymers, 1631
Biomaterials, 1266, 1505, 2496, 3272
Biopolymers, 901
Bismaleimide, 3808
Bistriazolinediones, 1942
Bis(trimellitimide)-diacids, 3818
Blend, 1039
Blending, 2046, 2502, 2937, 3539
Blends, 249, 386, 405, 474, 505, 589, 620, 797, 980, 1156, 1203, 1242, 1284, 1291, 1305, 1442, 1464, 1471, 1690, 1791, 2000, 2088, 2102, 2116, 2239, 2369, 2431, 2438, 2446, 2496, 2937, 2966, 2970, 3006, 3107, 3237, 3563, 3639
Block copolymer, 1753
Block copolymers, 426, 711, 1017, 1058, 1291, 1696, 1760, 1764, 2649, 3757
Blowing agent, 1132
Branched, 1101
Brittle, 2771
11-bromoundecanoate, 130
Bromination, 837
Butadiene, 674
Butadiene–acrylonitrile rubber, 3143

Calculation, 3918
Calculations, 535, 2831
Calorimetry, 612, 3547
Carboxymethyl cellulose, 913
Cassava starch, 1453
Catalysis, 601, 2412
Catalysts, 596, 1800, 2157, 3167, 3175, 3358, 3661, 3661
Catalytic hydrogenation, 142
Cation origin, 828
Cationic photopolymerization, 1524
Cationic polymerization, 1884, 2791
Cell morphology, 1132
Cellulose, 1685
Cellulose acetate, 3951
Cellulosic materials, 134
Ceric initiator, 1952
CH_3OH solvent, 2791
Characterization, 2888
Chelating polymers, 2522
Chiral, 2845
Chiral polymers, 2468
Chitosan, 924, 2283, 2940, 3850
Chitosan-*g*-PMA graft copolymers, 2283
Chitosan/PVC blends, 2283
Chloroprene rubber, 3143
Cholesteric phase, 3944
Chromatography, 763, 867, 2216
Chromophore complex, 1412
Citric acid, 3850
Clay, 1, 2583, 2586, 2633, 2875, 3130, 3315, 3632, 3652
Clay-nitrile rubber nanocomposites, 3855
Coating, 123
Coatings, 952, 1379, 1405, 2157, 3256
Cold plasma, 96
Colloids, 706
Colon, 2277
Compatibility, 513, 837, 1596, 2046, 2239, 2649, 2865
Compatibilization, 620, 728, 1039, 1078, 1156, 1305, 1471, 1493, 1727, 2502, 3485
Compatibilizer, 3143
Compensation, 134
Complex transformation, 3661
Composite, 238, 3557
Composites, 36, 163, 179, 432, 443, 513, 521, 769, 930, 998, 1078, 1124, 1211, 1266, 1743, 2316, 2353, 2361, 2507, 2676, 2714, 2771, 2823, 3220, 3292, 3329, 3693, 3769, 3790, 3797
Compounding, 1049
Compression, 3437
Conducting polymer, 930, 2210

Conducting polymers, 179, 862, 1300, 1484, 1515, 1548, 1652, 2412, 2516, 2624, 2815, 2823, 2896
Conduction, 2369
Conductive polymer composites, 1151, 2438
Conductivity, 2149
Conformational analysis, 2798
Conjugated polymers, 1631, 1800, 2618
Controlled single core, 1966
Copolyester, 797
Copolymer, 697
Copolymerization, 75, 422, 426, 787, 811, 862, 895, 1062, 1195, 1266, 1319, 1322, 1471, 1652, 1690, 1800, 1884, 2108, 2210, 2290, 2426, 2618, 2624, 2836, 3167, 3256
Copolymers, 1156, 1764, 1959, 1991
Core–shell polymers, 855
Core-shell polymers, 3021
Coupled heat and moisture transfer, 2780
Crazing, 1722
Creep, 1663, 2923, 3329
Creep and elastic recovery, 379
Crosslinked polyesters, 3329
Crosslinking, 75, 263, 274, 306, 340, 349, 568, 579, 779, 943, 980, 1062, 1305, 1858, 1991, 2095, 2123, 2277, 2316, 2346, 2553, 2633, 2701, 2808, 2865, 3039, 3046, 3237, 3437, 3458, 3471
Crosslinking differential scanning calorimetry (DSC), 1390
Crystal structures, 1659
Crystallinity, 3432, 3803
Crystallization, 197, 373, 513, 686, 1071, 1093, 1849, 2079, 2137, 2201, 2657, 2994, 3292, 3315, 3396, 3404, 3464, 3680, 3713
Crystallization and inclusion chemistry, 2882
CTE, 548
Cu(II) ions, 1537
Cure kinetics, 3894
Curing, 568, 3336
Curing behavior, 1453
Curing of polymers, 497, 1331, 1362, 1371, 1702, 2385, 2553, 2589, 2708, 3220, 3769, 3868
Curing temperature, 274
Cyclodextrin, 361

Decomposition, 134
Degradation, 355, 862, 867, 1250, 1548, 1760, 1764, 2051, 2270, 2346, 2378, 2579, 2701, 2950, 3137, 3272, 3437
Degree of polymerization (dp), 2798
Delamination toughness, 153
Density, 55, 184, 2201, 2836, 3396, 3458
Depolymerization, 1423, 3476
Diacid chloride, 2567
Dianhydride, 2567
Diblock copolymer, 1116, 1596
Dicyandiamide, 1869
Dielectric constant, 655
Dielectric properties, 399, 769, 3913
Diels–Alder polymers, 1942
Diethylene glycol dimethyl ether, 2562
Differential feed, 1430
Differential scanning calorimetry, 1071, 1362, 1423, 3292, 3769
Differential scanning calorimetry (DSC), 28, 289, 497, 1093, 1371, 1573, 2036, 2385, 2431, 2446, 2553, 2589, 2686, 2798, 2937, 3260, 3404, 3464, 3840
Diffusion, 413, 779, 817, 934, 1606, 1682, 1849, 1858, 2163, 2216, 2778, 2780, 3442, 3701
Diffusion coefficient, 3803
Diisocyanate, 2426
Dilatant fluid, 3601
2,3-dimethyl-2-butene, 47
Diodes, 1614
1,4-Dioxane, 2562
Direct polycondensation, 116, 3818
Dispersion, 1791
Dispersions, 451, 1737, 2108, 2438
Drawing, 3728, 3859
Drug delivery systems, 742, 1606, 3652
Dry bonding system, 1211
Ductile, 2771
Dyes, 3563
Dyes/pigments, 3016, 3803
Dynamic mechanical thermal analysis, 3618
Dynamic percolation, 1151

Effect of acetyl content, 3951
Elaboration conditions, 1838
Elastomers, 249, 274, 399, 971, 1101, 1250, 2516, 2676, 2982, 3647
Electric, 2301
Electrical conductivity, 2641
Electrical resistivity, 1151, 2527
Electrochemistry, 862, 1300, 1652, 2624, 2815
Electroluminescence, 2618
Electroluminescent properties, 806
Electron beam irradiation, 1976, 2025
Electron beam preirradiation, 3931
Electron microscopy, 1722
Electron paramagnetic resonance, 2474
Electrorheological fluid, 821
Electrostriction, 399
Electrotransport, 2535
Emulsifying volume, 3432
Emulsion copolymerization, 3587
Emulsion polymerization, 28, 451, 821, 1124, 1405, 1542, 2749, 3021, 3175
Enzyme activity, 3574
Enzymes, 535, 763, 2545, 2579
Episulfide monomer, 2426
Epoxidation, 668
Epoxides, 1163
Epoxies, 3894
Epoxy, 91, 959, 3107
Epoxy/CTBN resin, 3594
Epoxy resin, 1869, 3808
Epoxy resins, 3835
Equation of state, 697
ESCA, 96, 465
ESCA/XPS, 1622, 1875
ESR/EPR, 2095
Esterification, 197, 228, 2331, 3201
Ethanol, 1537
Ethylene copolym ers, 153
Ethylene oxide, 1753
Ethylene polymerization, 1336
Ethylene propylene diene monomer rubber, 3143
Ethylene–octene elastomer, 3557
Expanded PTFE, 1579
Extrusion, 179, 3301, 3485

Fabrics, 2604
Fiber, 1085
Fiber modification, 2507
Fibers, 422, 432, 443, 535, 604, 638, 645, 1390, 1555, 1573, 1696, 1825, 2233, 2714, 2780, 3364, 3383, 3458, 3626, 3739, 3840, 3868, 3931, 3939
Fillers, 513, 769, 1156, 1442, 2353, 2397, 2994, 3248, 3329, 3826
Film forming, 734
Films, 662, 992, 1379, 2131, 2535, 2749, 3874
Flame retardance, 753, 2051, 3137
Flame-retardant, 882
Flammability, 2072
Fluorescence, 662, 1284, 2723
Fluorescence in solution, 1412
Fluorescene, 763
Fluorinated carbon black, 1151
Fluoropolymers, 971, 1524, 2902, 3396
Fractionation of polymers, 1722, 2686
Fracture, 1722, 2771, 3248
FTIR, 568, 1250, 1291, 1385, 1390, 2025, 2233
FT-IR, 1875, 2142, 3039, 3582, 3868
FT-IR spectroscopy, 3618
Fullerenes, 2068
Functionalization of polymers, 2068, 2418, 2989, 3000, 3379, 3925

Gamma radiation, 1322
γ-Butyrolactone, 2562
Gas permeability, 3855
Gas permeation, 1838, 1849, 2457, 2875
Gel permeation chromatography, 1423

Gel permeation chromatography (GPC), 806, 895, 1116
Gel strength, 1818
Gelatin, 2277
Gelation, 2385, 2973
Gels, 340, 373, 413, 763, 3728
Glass, 432
Glass transition, 55, 184, 697, 1682, 2457, 3358, 3458, 3666, 3840, 3944
Glass-transition temperature, 1163, 1708, 3808
Glass-transition temperatures, 3347
GPC, 2791
Graft chain, 3506
Graft copolymer, 2836, 3323
Graft copolymerization, 63, 913, 3931
Graft copolymers, 85, 630, 718, 811, 848, 901, 980, 992, 1305, 1341, 1478, 1952, 2233, 2535, 2573, 2764, 2982, 3180, 3279
Grafting, 828, 2940
Grafting efficiency, 828
Growth, 3464

Halogenation, 2331, 2418
Hardness, 2046
Heat capacity, 3160
Heat setting, 3803
Heat treatment, 1555
Heavy metals, 2522
Heterogeneous polymers, 3379
High performance copolymer, 791
High performance liquid chromatography (HPLC), 2579
High-impact polystyrene, 3672
Highly chlorinated polyethylene (HCPE), 811
High-performance liquid chromatography (HPLC), 497
High-speed melt spinning, 1145
Hinokitiol, 706
^{1}H-NMR spectroscopy, 3685
Host-guest systems, 2823
Hydrogel, 24, 1258, 1322, 3850
Hydrogels, 75, 258, 361, 779, 890, 998, 1319, 1505, 1606, 1935, 2013, 2019, 2123, 2301, 2522, 3122, 3652
Hydrogenation, 3661
Hydrolysis, 1277
Hydrophilic polymers, 3786, 3874
Hydrophobic association, 1258
Hydrophobic modification, 1351
Hydrophobicity, 3100
Hydroxyl-terminated poly(dimethylsiloxane), 3808
Hyperbranched, 1500, 2490

Imaging, 855, 1284, 3626
Immersion resistance, 3939
Immobilization, 3574
Immunoglobulin G, 1567
Impact, 2306
Impact strength, 3115
In situ bulk polymerization, 2256
In situ polymerization, 3680
Indentation, 3713
Infrared spectroscopy, 630, 728, 1093, 1622, 2095, 2701, 3582
Inhibitors, 2553
Initiators, 630
Injection molding, 2079, 3713
Inorganic polymers, 368
Insoluble, 3091
Intelligent fabrics, 3939
Intercalation, 3315
Interfaces, 36, 521, 1417, 2323, 3220
Interfacial properties, 2649
Interfiber cohesion, 645
Intermolecular interaction, 959
Internal pigmentability, 3336
Interpenetrating networks, 2857
Interpenetrating networks (IPN), 24, 163, 258, 268, 890, 1935, 2808
Interpenetrating polymer networks, 1032
Interpenetrating polymer networks (IPN), 2301
Interphase layer, 249
Intra- and intermolecular complexes, 1412
Ion exchange, 787
Ion exchangers, 2058, 2701, 2852, 2917, 3905
Ionic conductivity, 890
Ionic crosslinking system, 1211
Ionomers, 620, 728, 3100
IPNs, 1976
IR spectroscopy, 2331, 3091
Irradiation, 28, 2123, 2966, 3260
Isocyanates, 1362
Isomer/isomerization, 3046
Isotactic, 1596, 3364
Isotactic polypropylene, 249
Isotherm, 1537
Isothermal crystallization kinetics, 1203
Isotropic structure, 3951
Itaconic acid, 828

Jute, 3530
Jute fabrics, 655

Ketimine, 91
Kinetic analysis, 3594
Kinetics, 318, 422, 612, 1371, 1858, 2149
Kinetics (polm.), 3396
Kinetics (polym.), 355, 497, 1548, 1808, 2095, 2579, 2708, 3220, 3464
Kinetics (polymerization), 3918

Laminate, 2306
Laser light scattering, 3672
Latices, 1405, 2791
Lattice models, 697
Lewis bases, 1356
Lifetime, 3835
Light scattering, 1124, 1983
Light-emitting diode, 2618
Light-emitting diodes (LED), 1645
Lignin, 1685
Linear bimodal polyethylene, 2431
Linear rheological behavior, 3609
Liquid-crystalline polymer, 2845
Liquid-crystalline polymers, 1493, 2464
Liquid-crystalline polymers (LCP), 943, 1347, 1808, 2457, 2676, 3944
Living polymerization, 2490
L-lactic acid, 3850
Loss tangent, 655
Low density polyethylene, 2025
Low-density polyethylene, 2431
Lower critical solution temperature, 1935
Low-profile additives, 3336
Lubricants, 645
Luminescence, 579, 1645, 3006, 3091

Macrocyclic polyamine, 924
Macromonomers, 2982
Macroporous polymers, 3790, 3905
Magnetic polymers, 2058
Magnetic tape, 548
Maleated ethylene–propylene–diene monomer rubber, 1211
Maleic anhydride grafting, 3557
Mass spectrometry, 104, 867, 2051, 2412
Matrix, 2657, 2815, 3680
Mechanical and thermal properties, 2888
Mechanical properties, 249, 296, 386, 474, 548, 579, 589, 753, 769, 971, 1266, 1442, 1493, 1583, 1685, 1858, 1869, 2102, 2192, 2446, 2657, 2676, 2714, 2757, 2857, 2865, 3052, 3081, 3137, 3347, 3358, 3383, 3476, 3530, 3557
Mechanism, 3685
Melamine fiber, 1211
Melt, 289, 432, 1760, 2378, 2633
Melt blending, 3757
Melt extrusion, 1743
Melt viscosity, 443
Melt-blowing, 1145
Melting point, 3747
Membranes, 306, 333, 630, 875, 1671, 1976, 2361, 2457, 2483, 2562, 2808, 3046, 3180, 3201, 3951
2-Mercaptobenzothiazole, 47
Metal ion, 263
Metal ions, 1715, 2641
Metal polymer-complexes, 2852
Metal–polymer complexes, 662, 952
Metal recovery, 1537

Metal-chelated beads, 1567
Metallocene catalysts, 1690, 2474, 3006
Metal-polymer complexes, 638
Methacrylate, 3309
Methacrylic acid–ethyl acrylate–diallyl phthalate copolymers, 1430
Methyl methacrylate, 63, 1195
Micelles, 2290
Microelectronics, 568
Microencapsulated cell, 1966
Microencapsulation, 706, 742, 2058
Microgels, 2179
Microhardness, 3666
Microlayers, 153
Microphase-separated structure, 3130
Microspheres, 2940
Microstructure, 596, 1959, 2464
Microwave, 2611
Miscibility, 728, 2116, 2562, 2937, 2970
Mixed crosslinking system, 1211
Mixture, 3485
Model compound, 47
Modeling, 213, 697, 1331, 2780, 2831, 3701
Modification, 96, 296, 443, 1139, 2418, 2672, 3016, 3216, 3256, 3476
Modification of leather, 1478
Modified power law, 3601
Modified vinyl ester resins, 274
Modulus, 3471
Moisture-curing, 91
Moisture-permeable, 32
Molar mass distribution, 2382
Molding, 289, 3786
Molecular recognition, 3790
Molecular weight distribution, 1663, 2382
Molecular weight distribution/molar mass distribution, 3021
Monodispersity, 1579
Monomers, 1779, 2233, 2573, 3256
Montmorillonite, 3315, 3609, 3680
Morphology, 274, 333, 386, 405, 505, 527, 604, 612, 706, 855, 1085, 1471, 1493, 1542, 1583, 1671, 1743, 1838, 1952, 1976, 2142, 2224, 2239, 2339, 2604, 2676, 2815, 2823, 3016, 3442, 3557
Multifunctional epoxy, 1385

Nanocomposite, 821, 2072, 3130, 3632
Nanocomposites, 1, 318, 604, 1058, 1186, 1515, 2036, 2131, 2184, 2256, 2412, 2583, 2586, 2633, 2657, 2815, 2875, 3081, 3155, 3315, 3404, 3609, 3652, 3680
Nanofiber, 2527
Nanofiber treatment, 2527
Nanoheterogeneity, 36
Nanoparticles, 3774
Nanotechnology, 734, 1631, 2490
N-Aryl itaconimide, 1195
Natural fibers, 2957
Natural rubber modification, 63
Natural rubber-*g*-poly(methyl methacrylate), 1453
Network synthesis, 3506
Networks, 2157, 3739
Networks, photochemistry, 943
Neutralization, 191, 828
Neutralizing agents, 828
Nifedipine, 2940
N-isopropylacrylamide, 361
Nitrile rubber, 668, 1242
NMR, 413, 718, 811, 1430, 1779, 1890, 1959, 2331
Nonisothermal crystallization kinetics, 2431
Nonlinear optics, 2468
Nonlinear rheological behavior, 3609
Non-Newtonian fluid, 3601
Norbornene–ethylene copolymers, 3666
Notch sensitivity, 3115
Nucleating agent, 1638
Nucleation, 1542, 2137
N-Vinylformamide, 1277
Nylon, 3496, 3701
Nylon-1212, 379

Oil absorbent, 1818
Oil absorption resin, 3309
Oil resistance, 2672
Oligomerization, 1356
Oligomerization conditions, 1356
Oligomers, 104, 2545, 3693
One-part, 91
Optical, 817
Optical resins, 2426
Organometallic catalysts, 2474
Organosoluble, 3818
Organosolv lignin, 1537
Orientation, 487, 1849, 2224, 3859
Oxidation, 2597
Oxygen index, 3855

Palladium, 3661
p-(Allyoxy)benzoxy-p-chlorophenyl, 2845
Papermaking, 2798
Parallel channel, 3601
Particle nucleation, 2791
Particle size distribution, 238, 1124, 1791, 2397, 3672
Particle-size distribution, 451
PC/SAN blends, 2649
PDLC, 481
PEO-b-PBA, 3432
Peptides, 3371
Permeability, 1379, 2535
Permeation, 3632
Permittivity, 1032
Pervaporation, 300, 2808
PET fiber, 1952
pH sensitive, 3850
Phase behavior, 1093, 1156, 2088, 2201, 3167, 3944
Phase coexistence, 1351
Phase diagram, 3107
Phase diagrams, 2483
Phase in version, 1007
Phase separation, 75, 405, 527, 875, 1983, 2857, 3107
Phase transfer catalysis, 2982
Phase transfer catalysts, 16
PHEMA, 1567
Photochemistry, 1622, 3925
Photocuring, 655
Photografting, 2535, 3530, 3574
Photopolymerization, 579, 662, 1500, 2391, 2857, 3882
Photorefractive effect, 368
Physical crosslinking, 3309
Physical properties, 1163, 1505
Physicomechanical properties, 1478
Plain strain fracture toughness, 3808
Plasma polymerization, 1875, 3180
Plasma source ion implantation, 3100
Plasticizer, 668, 3500
Plastics, 1049, 1291, 1311, 3052, 3639
PMMA resins, 1991
Polar order, 2468
Pole figure, 2224
Polyacrylamide, 300
Poly(acrylic acid), 191
Polyacrylonitrile, 3323
Poly(allyl diglycol carbonate), 1583
Polyamides, 620, 691, 711, 787, 1727, 2179, 3237, 3647, 3803
Polyanhydrides, 1423
Polyaniline, 930, 1379
Polyaromatics, 1645
Poly(arylate-imide)s, 3818
Polybenzimidazolylphenylene-phthalamides, 1412
Poly(β-hydroxybutyrate)-*co*-poly(β-hydroxyvalerate), 3539
Polybutadiene, 596, 711, 1331, 2095, 2672
Polycaprolactone/starch composite, 2888
Polycarbonate, 882, 3115
Polycarbonates, 589, 1493, 2163, 3301
Polycondensation, 16, 130, 848, 1890, 2210, 3155
Polyelectrolyte effect, 191
Polyelectrolytes, 306, 1062, 1319, 2261, 2664, 3000
Polyeletrolytes, 3839
Poly(ε-caprolactone), 3107, 3539
Polyester, 96, 130, 228, 1039, 3563
Polyester acrylate, 3826
Poly(ester-imide), 2567
Polyesters, 197, 213, 934, 1085, 1500, 1631, 2468, 2545, 2553, 2973, 3155,

3188, 3427, 3626, 3693, 3747, 3840, 3931, 3939
Poly(ether imide), 875
Polyethers, 1760, 2369
Polyethersulfone, 2902
Polyethylene, 153, 589, 662, 1659, 3292, 3323, 3574, 3757
Poly(ethylene glycol), 1351, 3506
Poly(ethylene naphthalene-2,6-dicarboxylate) (PEN), 2224
Poly(ethylene oxide), 258
Polyethylene (PE), 289, 432, 443, 620, 811, 992, 1230, 1663, 1727, 1925, 1976, 2079, 2102, 2131, 2201, 2316, 2446, 2583, 2597, 2686, 2966, 3006, 3180, 3260
Polyethylene terephthalate, 797
Poly(ethylene terephthalate), 1555
Polyethylene-octene copolymer, 797
Polyfunctional monomers, 2025
Polyimide, 1838, 2611
Polyimides, 791, 2483, 2865, 2875, 3547
Poly(isoprene), 142
Poly(lactic acid), 1203
Polylactide, 3757
Poly(L-lactide), 474
Polymer alloys, 3485
Polymer blends, 1007
Polymer composites, 2527
Polymer electrolytes, 2369
Polymer modification, 142, 1277
Polymer solutions, 697
Polymeric microbioreactor, 1966
Polymerization, 674, 817, 2611, 3790
Polymerization (ATRP), 901
Polymerization of monomer reactant type polyimide, 3913
Polymerized toner, 238
Poly(metheylmethacrylate), 2072
Poly(methyl methacrylate), 258, 1151, 2256
Poly(methyl methacrylate) bone cement, 3897
Polymethylsilazanes, 1702
Polymorphism, 2036, 3364
Poly(N-isopropylacrylamide), 2041
Polynorbornenes, 568
Polyolefins, 1182, 2046, 2323, 2474, 3248, 3279, 3358
Poly(phenylene-vinylene), 3091
Polyphosphazene, 2989
Polypropylene, 318, 1039, 1768, 2628, 3557, 3609
Poly(propylene), 604, 1659
Poly(propylene glycol), 3520
Polypropylene (PP), 645, 3485
Poly(propylene) (PP), 513, 686, 1177, 1471, 1596, 1690, 2137, 2353, 2496, 2586, 2917, 2994, 3210, 3364, 3404
Polypyrroles, 2624, 2896, 3390
Polysaccharide, 3897
Polysaccharides, 718, 901, 3216, 3292
Polysilanes, 806
Polysiloxanes, 368, 1405, 2068, 3587
Polystyrene, 36, 184, 238, 426, 481, 487, 521, 1007, 1596, 2058, 2502, 2778, 3021, 3464
Polysulfide, 2672
Polysulfone, 2562
Poly(tetramethylene ether glycol), 3520
Polyureas, 2611
Polyurethane, 123, 959, 1397, 2369, 3130
Polyurethane ionomer, 2723
Poly(urethane–amide), 1397
Polyurethane-polydimethylsiloxane, 1032
Polyurethanes, 163, 399, 1417, 1583, 1925, 2157, 2270, 2902, 3797
Poly(urethane-urea)s, 3520
Poly(vinyl acetate), 3347
Poly(vinyl alcohol), 2041, 3632
Poly(vinyl chloride), 2249
Poly-(vinyl chloride) (PVC), 753
Polyvinyl chloride (PVC), 1291
Poly(vinyl chloride) (PVC), 1230, 1242, 2738, 3137, 3447
Poly(vinyl pyrrolidone), 734
Polyvinylamine, 1277
Poly(2-aminobenzoic acid), 2641
Poly(3-aminobenzoic acid), 2641
Poly(3-hydroxybutyrate), 1530
Poly(3-hydroxybutyrate-*co*-3-hydroxyvalerate), 1530
Poly(4-vinylpyridine), 1017
Porosity, 1579
Porous material, 2780
Porous polystyrene microcapsule, 1966
Potassium diperiodatocuprate Cu(III)}, 2283
Powdered PF resins, 1371
Power law index, 837
Prepolymerization, 3672
Pretreatment, 1026
Processing, 465, 3301, 3547
Protection, 2306
Proteins, 638, 1390
Pseudoplastic fluid, 3601
PTC effect, 2438
PVC, 2184, 3859
Py-GC/MS, 1530
Pyrolysis, 16, 465
Pyrolysis oils, 1362

Radiation, 75, 349, 2013, 2019, 2249, 2604, 3437
Radical polymerization, 426, 1017, 1062, 2233, 2385, 3279, 3416, 3769, 3882, 3918
Raman spectroscopy, 2657, 3390
Reactive blending, 1453
Reactive diluent, 3835
Reactive dye, 1026
Reactive extrusion, 828
Reactive processing, 828
Reactivity ratio, 1195
Recycling, 527, 1311, 1768, 2046, 2738, 3000, 3693
Redox polymer, 1300
Redox polymers, 2412
Redox system, 3685
Refractive index, 1737, 2426, 2970
Refractive-index, 817
Regenerated cellulose, 3500
Reinforced composites, 1708
Reinforcement, 1442, 2192
Reinforcements, 3458
Relaxation, 779, 2923
Renewable resources, 23, 2507, 2738, 3797
Resins, 284, 361, 413, 497, 787, 1139, 1385, 1702, 1896, 1918, 1959, 2058, 2184, 2464, 2589, 2852, 2973, 3000, 3256, 3347, 3547, 3582, 3769
Resorcinol, 1869
Restabilization, 1311
Rheological properties, 1132, 1453
Rheology, 379, 432, 837, 1101, 1331, 1362, 1430, 2385, 2676, 2738, 3016, 3216
Riboflavin, 2277
Role of water, 1371
Rubber, 1, 142, 451, 769, 837, 980, 1442, 1622, 1727, 2051, 2311, 2633, 3471, 3594
Rubber blends, 3143
Rubber seed oil, 668
Rule of mixtures, 548

Salt, 1026
SAN Copolymer, 821
Scanning electron microscopy (SEM), 1573
Second harmonic generation, 2468
Selectivity, 1379
Self-assembly, 1515
Self-life, 91
Sensors, 179, 1062, 3868
Separation of polymers, 763
Sequence distribution, 1430
Shear, 1464
Shear rate parameter, 3601
Shrinkage, 3859
Side reactions, 3894
σ–π Conjugated silane copolymer, 806
Silica, 2072
Silica filler, 1132
Silicone, 959
Silicone coupling agent, 2256

Silicone elastomer, 3496
Silicones, 1548, 1702, 2397, 2896, 3471, 3587, 3739, 3786
Siliconized epoxy, 3808
Silk fiber, 324
Simulations, 1722
Simultaneous interpenetrating polymer networks, 1583
Single-screw extruder, 2628
Sisal chemical modification, 2957
Sisal fibers, 2507
Size of dispersed particles, 2649
Small-angle neutron scattering, 1579
Smectic, 2845
Sodium alginate, 300
Soft segments, 3520
Solid-state polymerization, 197, 213, 228, 3188, 3279, 3701
Solution properties, 1682, 2261, 2778, 2831, 2977, 3889
Solvation, 1991
Solvent effect, 324
Solvent treatment, 1555
Sorption, 258, 2597
Soy protein, 1685
Spherulites, 1417
Spinline, 1145
SPME, 867
Stability, 1423
Stabilization, 2163, 2973, 3006
Starch, 1203, 3323
Step-growth polymerization, 2692
Stereospecific polymers, 601
Stimuli-responsive, 1277
Stimuli-sensitive polymers, 998
Storage modulus, 548
Strain, 296, 1663, 2923
Strain rate, 2306
Strength, 691
Stress, 296, 399, 1663, 2923, 3416
Structural and thermal behavior, 1555
Structure, 333, 1186, 1671, 2672, 2686, 2757, 3364, 3390, 3427, 3855
Structure–property relations, 123, 487, 1101, 2749
Structure–property relationships, 2079, 3520
Structure-properties relations, 3383
Structure-property relations, 104, 1737, 1768, 1896, 2000, 3797, 3944
Styrene, 63
Styrene copolymers, 153
Styrene–butadiene rubber, 1818
Sulfur/accelerator crosslinking system, 1211
Supports, 1177, 3371
Surface, 96
Surface coating, 3826
Surface properties, 2902
Surface-modifying macromolecules, 2902
Surfaces, 1524, 1579, 1925, 2323, 3100, 3137, 3371, 3626, 3786
Surfactant, 1116
Surfactants, 645, 1266, 2664, 3210
Suspension polymerization, 706
Swelling, 779, 890, 1573, 2123, 2522, 2808, 3122, 3905
Swelling kinetic constant, 1818
Syndiotactic, 1596, 2502, 3464
Syndiotactic polystyrene, 2882
Synergistic effect, 1869
Synthesis, 85, 296, 413, 505, 718, 806, 924, 1341, 1347, 1918, 2989, 3371

TEM, 855, 2464, 3587, 3672
Templates, 1058, 3790
Tensile properties, 1952
Tensile strain-stress dependence, 3855
Tension, 1791, 2290
Terpolymer, 3143
Texture, 2224
TG, 1530
TG–FTIR, 1530
TGA, 568
Thermal conductivity, 1708, 3913
Thermal degradation, 1163, 1530, 3594, 3894
Thermal diffusivity, 1708
Thermal properties, 355, 474, 481, 691, 791, 895, 1186, 1341, 1484, 1702, 1858, 1925, 2000, 2102, 2142, 2249, 2316, 2353, 2374, 2464, 2604, 2757, 2823, 2865, 2994, 3052, 3160, 3547, 3797, 3840
Thermal stability, 1195, 1530, 2567
Thermally induced phase separation, 3951
Thermodynamics, 130, 263, 1242, 2400, 2831
Thermogravimetric analysis, 882
Thermogravimetric analysis (TGA), 116, 1341, 1548, 2051, 2446, 2589, 2692, 2701, 2764, 2950, 3404, 3447, 3594, 3835
Thermogravimetry, 134
Thermoplastic, 1071
Thermoplastics, 268, 980, 2676
Thermosets, 527, 1896, 2339, 2714
Thin films, 36, 1614, 3052
Thiol, 47
Third-order optical nonlinearities, 2611
Tire rubber, 2507
Toughening, 2339, 3115
Toughness, 268, 505, 797, 3647, 3757
Transition metal chemistry, 2474, 3905
Transitions, 2179, 2771
Transparency, 2192
Triacetin, 474
Tri(propylene glycol), 3520
Trypsin, 3574
TTGG, 2882
TTT diagram, 3894
Tubules, 1032

UHMWPE fibers, 2757
Ultrafiltration membranes, 1715
Ultrahigh molecular weight polyethylene, 2628
Ultralow monol content, 3520
Ultrasonic vibration, 2628
Ultrasound, 3685
Ultraviolet radiation, 655
Undecylenic acid menthol ester, 2845
Unsaturated polyester resin, 3336, 3618
UV curing, 3826
UV free-radical polymerization, 3506
UV irradiation, 2757
UV radiation, 3530
UV-Vis spectroscopy, 1484
UV-vis spectroscopy, 2025

Vinyl monomers, 1478
Viscoelastic properties, 1101, 2400, 2923, 3081, 3774
Viscometry, 1412
Viscosity, 116, 228, 1145, 1385, 1942, 1983, 2261, 2290, 2397, 2692, 2970, 3016, 3122, 3216, 3492, 3889
Viscous flow, 379
Volume fraction, 2306
Volume shrinkage, 3336
Vulcanization, 47
Vulcanization kinetics, 1

Waste, 3000, 3693
Water absorptivity, 3432
Water behavior, 24, 2041
Water repellency, 324
Water state, 1258
Water uptake, 1478
Water use reduction, 1026
Water-soluble polymers, 734, 1715, 2108, 2290, 2798, 3122
WAXS, 2036
Wet phase inversion, 1838
Wittig condensation, 2618
Wood, 3826

Xanthan gum, 1341
XPS, 96
X-ray, 1573, 2142, 2583
X-ray photoelectron spectroscopy, 3091
XRD, 3685
Xylene isomers, 2882

Yeast cell, 1966
Yielding, 2400

Zero-order release, 2277
Ziegler–Natta polymerization, 1177
Ziegler-Natta polymerization, 596
Zirconocene complexes, 1336